ONTARIO UNIVERSITIES - 2000
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May 2001

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Resource Document

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Introductory Notes

Some data used in this 2000 *Resource Document* are preliminary, estimated or projected, and as such are subject to revision in next year's edition. Likewise, some data have been revised compared to last year's edition.

When a table combines data obtained from different sources, effort is taken to ensure that all data within the table are as comparable as possible and consistent with the purpose of the table. However, data may not always be identically reported between tables. For example, enrolment, financial or other data in one table may be based on a different set of institutions as the same data in another table. Please be sure to read the notes to each table, as well related appendices, when reviewing the tables.

For some tables, the content, sources of data, or methodologies used are different from the corresponding table in last year's edition of the *Resource Document*, and therefore may not be directly comparable.

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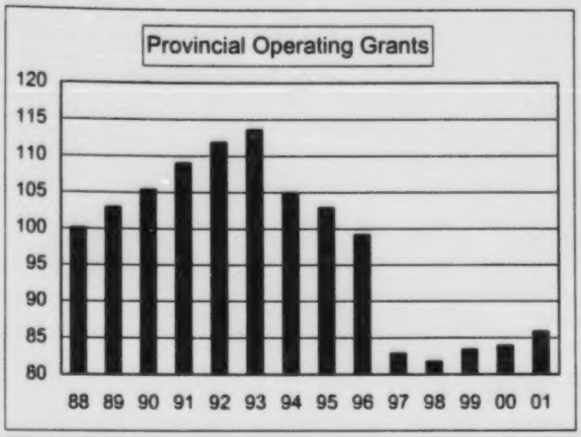
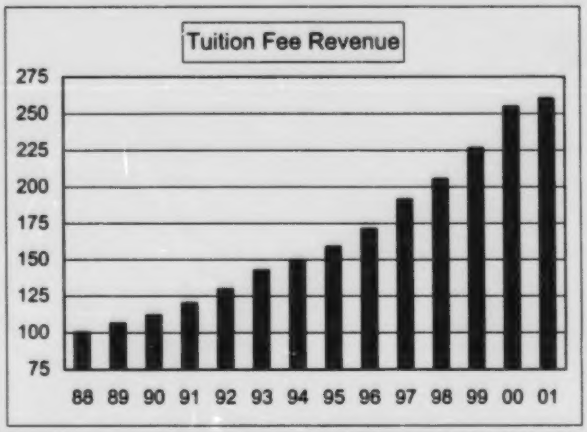
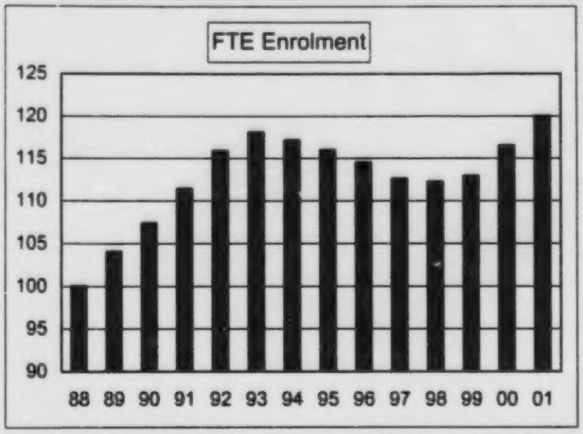
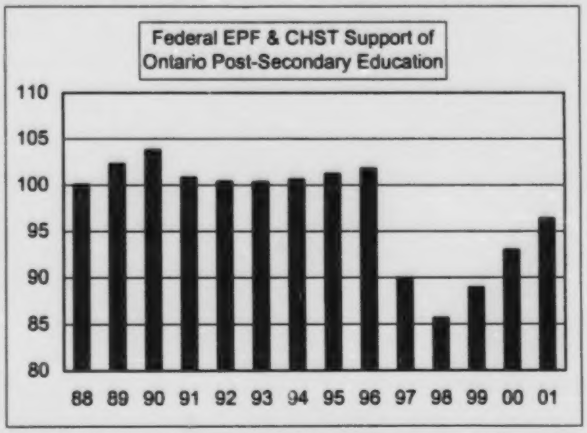
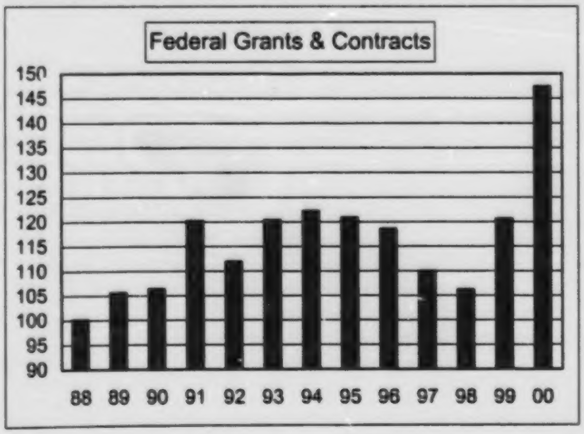
KEY TRENDS
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

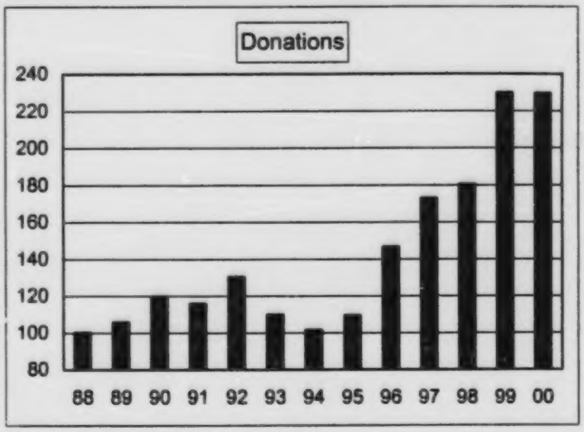












X-Axes	Year Ending
Y-Axes	Index relative to 1987-88 = 100. Financial indices are in constant 2000-01 dollars.

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To the Reader of this Report

The 2000 edition of the Council of Ontario Universities' annual *Resource Document* provides a comprehensive review of statistics and trends relevant to Ontario universities across a range of policy areas including grants and revenue, jurisdictional comparisons, comparisons with other sectors, research, tuition fees, student financial assistance, university infrastructure, faculty and staff, and education and employment.

Context for the Resource Document

This review of statistics and trends is important given that Ontario is on the verge of experiencing the greatest increase in demand for university opportunities in 30 years. Predictions indicate that enrolments in this province are likely to rise by as much as 90,000 or 40% within the next ten years.

Enrolment is expected to increase dramatically owing to the following factors:

- secondary school reform in Ontario will allow students to graduate from high school in four years instead of five and will create a "double cohort" entering university as early as 2003,
- an increase in the population of 18-24 year olds,
- a projected increase in the participation rate or percentage of 18-24 year olds attending university,
- a trend towards more adult learners attending university for additional studies.

A 1998 Angus Reid poll clearly indicated that Ontarians agree with the principle that all qualified students will have the opportunity to receive a university education of a quality that is at least comparable to that offered in competing jurisdictions.

Meeting these expectations will require a major investment by the people of Ontario. The pressure to respond to public expectations and student demand will be strongest at precisely those points where the grant reductions of the 1990s have left universities most vulnerable – in faculty numbers, physical capacity to accommodate increased enrolment, and facilities and resources for teaching, learning and research.

Considerable effort is being taken to help ensure that every qualified and motivated student will be accommodated. Senior-level representatives from the postsecondary community and government have been meeting regularly to consider the most cost-effective ways of responding to the projected major expansion in enrolment.

The funding requirements will be significant and the challenge extends beyond the provincial government. Reductions in federal transfer payments in the 1990s further reduced the resources available to the provincial government for funding universities, and an increase in federal transfer payments would place the Government of Ontario in a much better position to finance the necessary investment to expand our university sector.

Highlights of this Report

Section 1 - Grants and Revenue: The Ontario Picture

- Provincial operating grants to Ontario universities were $1,722 million in 2000-01, a 5.0% increase over 1999-00 (Table 1.1). If start-up funding for the Access to Opportunities Program (ATOP) is removed from the calculation, the increase in 2000-01 is 3.4% rather than 5.0%.

- Despite the increases mentioned above, in constant dollar terms grants in 2000-01 are $562 million, or 24.6%, lower than in 1992-93 (Table 1.1).

- Tuition fee revenue has increased dramatically since 1987-88 (Table 1.1). Beginning in 1996-97 universities were required to set aside for increased student financial assistance a fixed proportion (10% in 1996-97, 30% each year thereafter) of the additional tuition fee revenue attributable to rising tuition fee rates. This "set-aside" is projected to be $100 million in 2000-01.

- In constant dollar terms, provincial operating grants per student decreased by 29% between 1987-88 and 2000-01, while tuition fee revenue per student increased by 117% (Table 1.2).

- Federal government support of Ontario post-secondary education, through Established Program Financing (EPF) and the Canada Health and Social Transfer (CHST), declined 3.6% in constant dollar terms between 1987-88 and 1999-00 (Table 1.3).

- Growth in Ontario's provincial budget and gross provincial product has largely out-paced funding to Ontario universities since 1987-88 (Table 1.4). Universities' share of the provincial budget dropped steadily from 4.2% in 1987-88 to 2.6% in 1999-00 but improved to 2.8% in 2000-01. Universities' share of gross provincial product (GPP) has continued to drop from 0.64% in 1987-88 to 0.40% in 2000-01 (Table 1.5). If universities had maintained their 1987-88 percentage shares of provincial budget and GDP, university operating grants would have been $2,888 million and $2,731 million, respectively, in 2000-01, instead of the actual amount of $1,722 million.

- Ontario universities have increased their income from donations by 129% and from non-government grants and contacts by 176% in constant dollars since 1987-88. However, after growing rapidly between 1995-96 and 1998-99, donations levelled off in 1999-00 (Table 1.7).

Section 2 - Grants and Revenue: Jurisdictional Comparisons

- Ontario universities rank 9th out of the ten provinces in terms of the percentage of their **operating** income that comes from provincial grants, 2nd in terms of fees, and 3rd in terms of all other sources of income (Table 2.1).

- Ontario universities rank 7th out of the ten provinces in terms of the percentage of their **total** income that comes from federal grants, 9th in terms of provincial grants, 2nd in terms of fees, and 1st in terms of all other sources of income (Table 2.2).

- Ontario government funding for universities fell to 10th out of the ten provinces on a per *student* basis in 2000-01 (Table 2.3), stayed 10th out of ten on a *per capita* basis (Table 2.4), and remained 10th out of ten on a per *personal income* basis for the eighth year in a row (Table 2.5). Provincial funding to Ontario universities would have to increase by about $728 million to reach the funding per capita level of the other nine provinces, and by about $482 million to reach the funding per student level.

- In terms of revenue per student and expenditures per student, Ontario universities are 38% and 34% below their peers among public 4-year universities according to 1998-99 data (Tables 2.6).

- Over the past five years — between 1995-96 and 2000-01 — state support for post-secondary education increased by an average of 36.7% in US states, while in Ontario provincial support for post-secondary education declined by 2.9%. Ontario ranked 59th out of the 60 Canadian and US jurisdictions in terms of percentage change in funding over the five-year period (Table 2.7).

Section 3 - Comparisons with Other Sectors

- After several years of decline, constant dollar per client expenditures in Ontario's post-secondary education increased in 1998-99. Since 1987-88 university per client expenditures have grown up by 5% in real terms but in the same period Ontario hospitals have experienced a 73% increase (Table 3.1).

- Compared to other Canadian provinces, Ontario is 26.7% above the average in terms of hospital spending per client and 17.6% above in terms of school spending, but 6.8% below the average in terms of total university spending (Table 3.2).

Section 4 - Research

- Research infrastructure at Ontario universities is in decline. Since 1987-88, sponsored research expenditures have grown by 78.7% in constant dollars, but operating expenditures, which include support for research activities, have grown by only 26.4% (Table 4.1).

- At its inception in 1987-88, the Ontario government's Research Overhead/ Infrastructure Envelope represented 20.1% of peer-adjudicated federal research grants. Today, it represents only 15.1% (Table 4.2).

- Over the past ten years, Ontario's share of sponsored research funding from the three major federal granting agencies has decreased from almost 38.9% to just over 37.1% (Table 4.3).

Section 5 - Tuition Fees

- Since 1987-88, tuition fees for Bachelor of Arts programs in Ontario universities have increased from about $1,500 per year to about $3,900 per year (Table 5.2).

- Within Canada, only Nova Scotia has higher Bachelor of Arts tuition fees than Ontario (Table 5.3).

- Tuition and required fees in Ontario universities constitute 15.2% of average personal income, compared with 16.2% for public university tuition and fees in the Great Lakes states (Table 5.4).

Section 6 - Student Financial Assistance

- Provincial government spending on financial assistance for Ontario post-secondary students has risen from about $180 million in 1987-88 to almost $868 million in 1999-00. The Government projects that this will moderate to $713 million in 2000-01 (Table 6.1). It is important to keep in mind that the Ontario government made a policy decision to discontinue grants in 1993-94 and replace it with a loan-based system. In recent years, some attention has been paid to restoring the grants through a variety of mechanisms.

- The amount per student that Ontario universities spent on scholarships and bursaries increased by more than 338% between 1987-88 and 1999-00. Expenditures on scholarships and bursaries have increased from 1.6% of total university expenditures to 4.4% (Table 6.2).

- OSAP loan default rates are considerably lower for university students than for students in other sectors of post-secondary education (Table 6.3).

Section 7 - University Infrastructure

- The price of library books and periodicals is increasing more rapidly than library acquisition expenditures, which in turn are increasing more rapidly than total library expenses, which in turn are increasing more rapidly than enrolment (Table 7.1).

Training, Colleges and Universities declined from 55% in 1987-88 to 20% in 1999-00 (Table 7.2). Capital funding from MTCU jumped dramatically in 2000-01 as a result of the SuperBuild program and the necessary investment to accommodate the projected increase in enrolment over the decade.

- On a national scale, Ontario also ranked below average in terms of a number of other capital and plant related indicators in 1998-99 (Table 7.4).

- Ontario universities are operating with only 86% of required space, as measured against established space standards (Table 7.5).

Section 8 - Faculty and Staff

- The number of faculty and staff at Ontario universities declined 10% between 1987-88 and 1999-00, while enrolment has increased 18% (Table 8.1).

- Total faculty and staff salaries, in terms of constant dollars, have also not kept pace with increasing enrolment (Table 8.2).

- Statutory employee benefit costs rose dramatically between 1987-88 and 1999-00 (Table 8.3).

- Ontario universities have the highest ratio of full-time equivalent (FTE) students to full-time faculty, and FTE students to FTE faculty in the country (Table 8.5 and 8.6).

Section 9 - Education and Employment

- Unemployment rates for those with a university degree are consistently and considerably lower than for those without a university degree (Table 9.1).

- The percentage of jobs in Ontario held by university graduates continues to increase, ranging from 17.5% in 1990 to 23.8% in 2000 (Table 9.2).

- Average personal income increases substantially with level of educational attainment (Tables 9.4).

Section 1

Grants and Revenue: The Ontario Picture

TABLE 1.1

PROVINCIAL OPERATING GRANTS AND TUITION FEE REVENUE ONTARIO UNIVERSITIES 1987-88 TO 2000-01

						Constant 2000-01 $000s				
	Basic Operating Grants	Targeted Grants	Operating Grants	Tuition Fees	Grants + Fees	Basic Operating Grants	Targeted Grants	Operating Grants	Tuition Fees	Grants + Fees
1987-88	1,311,935	$139,657	$1,451,592	$343,728	$1,795,320	$1,820,191	$193,761	$2,013,952	$476,891	$2,490,843
1988-89	1,425,320	$129,628	$1,554,947	$379,690	$1,934,637	$1,899,321	$172,736	$2,072,057	$505,959	$2,578,016
1989-90	1,479,351	$197,513	$1,676,864	$421,021	$2,097,885	$1,871,232	$249,835	$2,121,067	$532,550	$2,653,617
1990-91	1,549,695	$273,101	$1,822,796	$474,561	$2,297,357	$1,865,494	$328,755	$2,194,249	$571,268	$2,765,516
1991-92	1,670,239	$274,835	$1,945,074	$532,429	$2,477,503	$1,933,428	$318,142	$2,251,570	$616,327	$2,867,897
1992-93	1,685,211	$323,922	$2,009,133	$596,665	$2,605,796	$1,917,827	$368,634	$2,286,461	$679,025	$2,965,486
1993-94	1,558,220	$317,753	$1,875,973	$630,966	$2,506,939	$1,750,706	$357,005	$2,107,710	$708,909	$2,816,619
1994-95	1,531,325	$322,304	$1,853,629	$677,179	$2,530,808	$1,710,427	$360,001	$2,070,428	$756,381	$2,826,809
1995-96	1,496,303	$326,840	$1,823,143	$744,393	$2,567,536	$1,637,787	$357,744	$1,995,531	$814,780	$2,810,311
1996-97	1,423,559	$127,163	$1,550,722	$846,891	$2,397,613	$1,530,393	$136,706	$1,667,099	$910,446	$2,577,546
1997-98	1,411,819	$137,017	$1,548,836	$920,047	$2,468,883	$1,499,485	$145,525	$1,645,010	$977,177	$2,622,187
1998-99	1,411,490	$185,024	$1,596,514	$1,025,491	$2,622,005	$1,484,007	$194,530	$1,678,537	$1,078,177	$2,756,714
1999-00	1,461,466	$179,115	$1,640,581	$1,179,444	$2,820,025	$1,503,447	$184,260	$1,687,707	$1,213,324	$2,901,031
2000-01	1,465,216	$260,919	$1,726,135	*$1,239,124*	*$2,965,259*	$1,465,216	$260,919	$1,726,135	*$1,239,124*	*$2,965,259*

Notes:

Operating Grants:

See Appendix H for details regarding 1998-99 to 2000-01.

Tuition Fees:

Affiliated and federated colleges included.

Estimate of 2000-01 tuition fee revenue reflects combined impact of 2.0% increase in tuition fee rates according to MTCU policy and 3.0% increase in FTE enrolment.

Beginning in 1996-97 universities were required to set aside for increased student financial assistance a fixed proportion (10% in 1996-97, 30% each year thereafter) of the additional tuition fee revenue attributable to rising tuition fee rates. The "set-aside" was $11.8M in 1996-97, $32.5M in 1997-98, $54.8M in 1998-99, $84.5M in 1999-2000 and is projected to be $98.2M in 2000-01.

Sources:

Operating Grants:	Public Accounts of Ontario, 1987-88 to 1998-99. Expenditure Estimates of Ontario, 1999-00. MTCU 2000-01 Final Grant Allocation May 10, 2001
Tuition Fees:	COFO-UO, Financial Report of Ontario Universities, 1987-88 to 1999-00.

FIGURE 1.1

PROVINCIAL OPERATING GRANTS AND TUITION FEE REVENUE ONTARIO UNIVERSITIES 1987-88 TO 2000-01

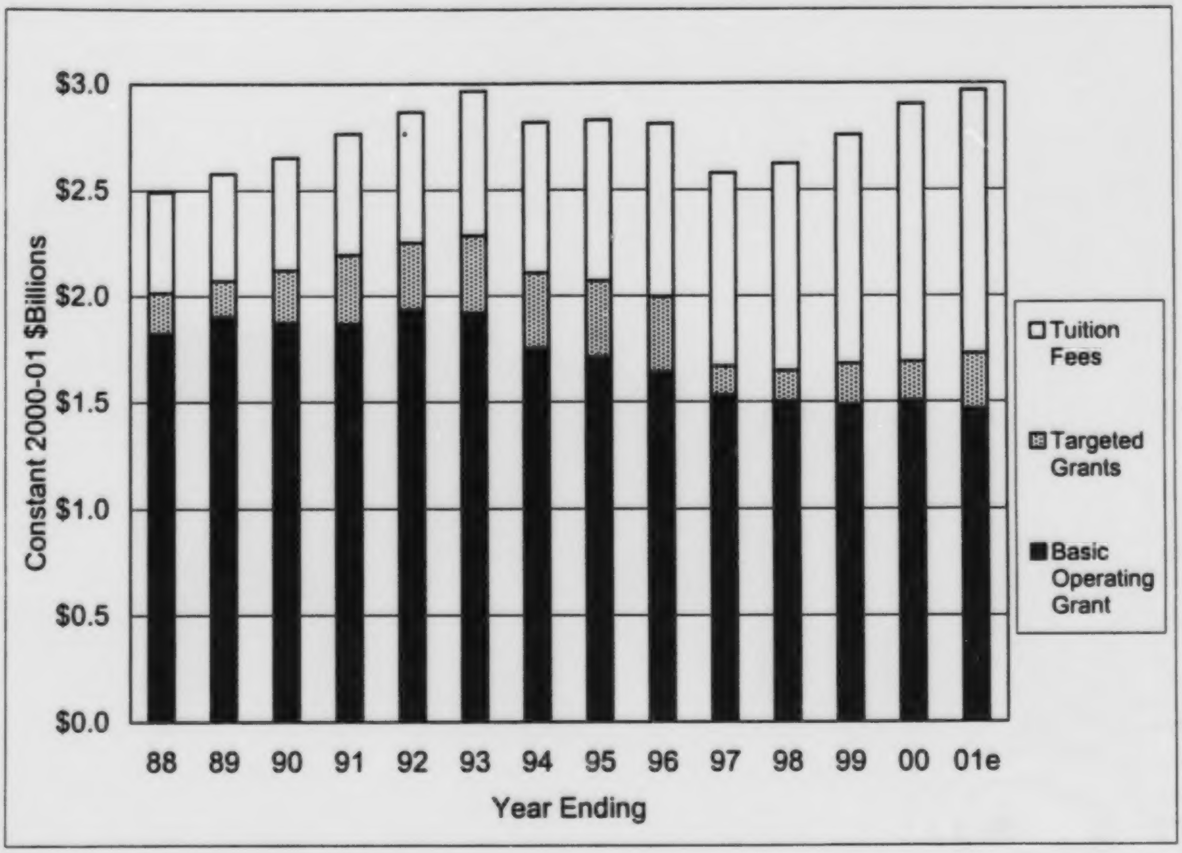


TABLE 1.2

PROVINCIAL OPERATING GRANTS
AND TUITION FEE REVENUE
PER FTE ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

		Actual Dollars			Constant 2000-01 Dollars			Index of Constant 2000-01 Dollars		
	FTE Enrolment	Operating Grants	Tuition Fees	Grants + Tuition	Operating Grants	Tuition Fees	Grants + Tuition	Operating Grants	Tuition Fees	Grants + Tuition
1987-88	221,446	$6,555	$1,552	$8,107	$9,095	$2,154	$11,248	100.0	100.0	100.0
1988-89	230,357	$6,750	$1,648	$8,398	$8,995	$2,196	$11,191	98.9	102.0	99.5
1989-90	237,752	$7,053	$1,771	$8,824	$8,921	$2,240	$11,161	98.1	104.0	99.2
1990-91	246,628	$7,391	$1,924	$9,315	$8,897	$2,316	$11,213	97.8	107.6	99.7
1991-92	256,592	$7,580	$2,075	$9,655	$8,775	$2,402	$11,177	96.5	111.5	99.4
1992-93	261,380	$7,687	$2,283	$9,969	$8,748	$2,598	$11,345	96.2	120.6	100.9
1993-94	259,346	$7,233	$2,433	$9,666	$8,127	$2,733	$10,860	89.4	126.9	96.6
1994-95	256,753	$7,220	$2,637	$9,857	$8,064	$2,946	$11,010	88.7	136.8	97.9
1995-96	253,545	$7,191	$2,936	$10,127	$7,871	$3,214	$11,084	86.5	149.2	98.5
1996-97	249,294	$6,220	$3,397	$9,618	$6,687	$3,652	$10,339	73.5	169.6	91.9
1997-98	248,441	$6,234	$3,703	$9,938	$6,621	$3,933	$10,555	72.8	182.6	93.8
1998-99	249,984	$6,386	$4,102	$10,489	$6,715	$4,313	$11,028	73.8	200.3	98.0
1999-00	257,895	$6,361	$4,573	$10,935	$6,544	$4,705	$11,249	72.0	218.5	100.0
2000-01	*265,632*	*$6,498*	*$4,665*	*$11,163*	*$6,498*	*$4,665*	*$11,163*	*71.5*	*216.6*	*99.2*

Notes: FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A). Projected increase in 2000-01 is 3.0%.

Sources: Operating Grants and Tuition Fees: Resource Document, Table 1.1.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 1.2

PROVINCIAL OPERATING GRANTS
AND TUITION FEE REVENUE
PER FTE ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

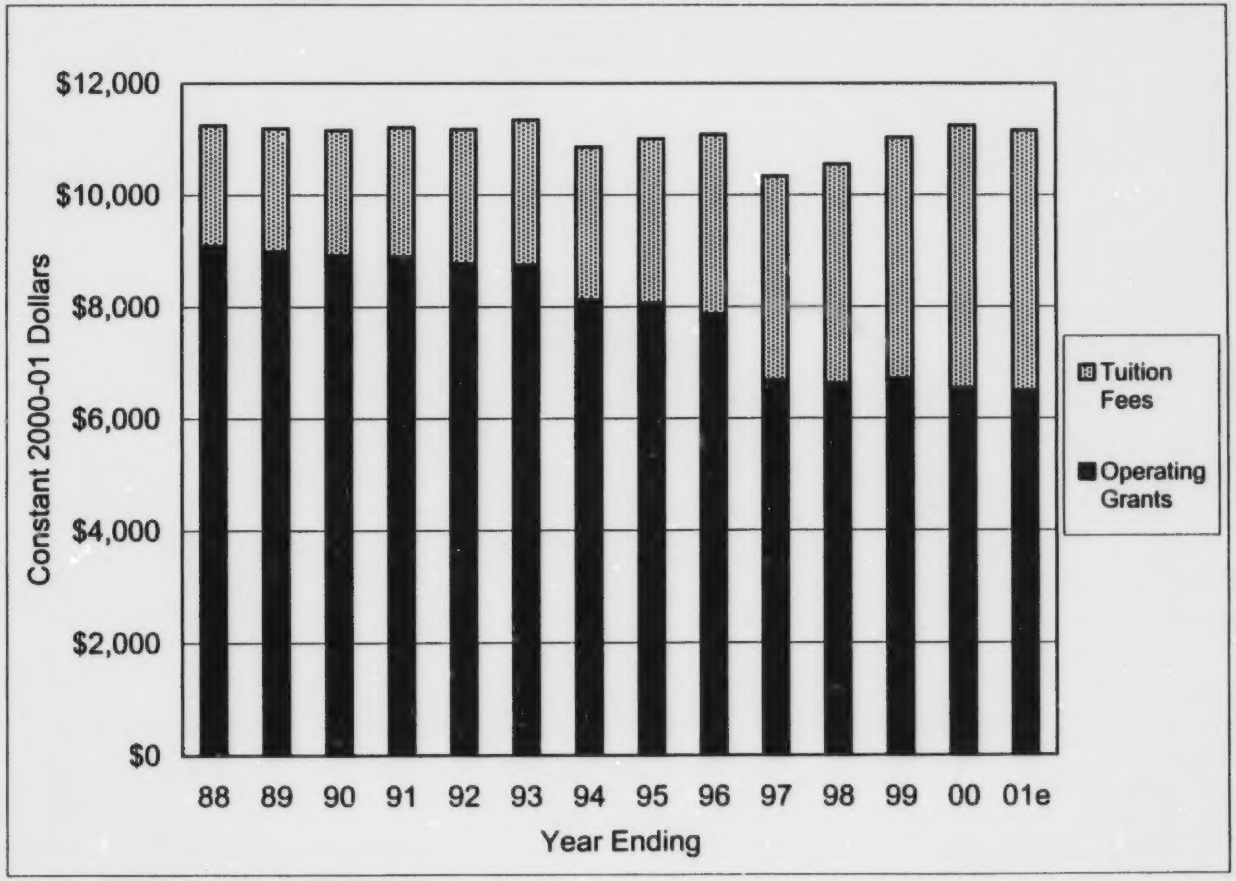


TABLE 1.3

FEDERAL EPF AND CHST SUPPORT OF ONTARIO POST-SECONDARY EDUCATION 1987-88 TO 2000-01

		Tax Transfers Actual $	Cash Transfers Actual $	Total Transfers		Index of Constant $
				Actual $	Constant $	
EPF	1987-88	$1,055,669	$782,037	$1,837,706	$2,549,650	100.0
	1988-89	$1,180,009	$775,937	$1,955,946	$2,606,412	102.2
	1989-90	$1,300,929	$790,246	$2,091,175	$2,645,129	103.7
	1990-91	$1,309,574	$824,862	$2,134,436	$2,569,395	100.8
	1991-92	$1,286,070	$923,867	$2,209,937	$2,558,169	100.3
	1992-93	$1,261,436	$985,040	$2,246,476	$2,556,566	100.3
	1993-94	$1,291,314	$990,153	$2,281,467	$2,563,295	100.5
	1994-95	$1,348,866	$960,344	$2,309,210	$2,579,293	101.2
	1995-96	$1,453,514	$916,014	$2,369,528	$2,593,581	101.7
CHST	* *1996-97*	*$1,562,547*	*$567,037*	*$2,129,584*	*$2,289,403*	*89.8*
	* *1997-98*	*$1,744,033*	*$311,085*	*$2,055,117*	*$2,182,729*	*85.6*
	* *1998-99*	*$1,902,031*	*$253,305*	*$2,155,336*	*$2,266,069*	*88.9*
	* *1999-00*	*$2,047,730*	*$255,679*	*$2,303,408*	*$2,369,575*	*92.9*
	* *2000-01*	*$2,136,549*	*$317,518*	*$2,454,067*	*$2,454,067*	*96.3*

Notes: All figures in $000s.
Constant dollars are in terms of 2000-01 dollars.
CAP and EPF targeted-funding was replaced by CHST block-funding in 1996-97.

CAP - Canada Assistance Plan - supported Social Welfare.
EPF - Established Programs Financing - supported health and post-secondary education, with specified amounts for each.
CHST - Canada Health and Social Transfer - supports social welfare, health, and post-secondary education, without specified amounts for each.

* CHST funding for Ontario post-secondary education estimated by pro-rating total CHST funding for Ontario according to the same proportions of CAP and EPF funding for Ontario post-secondary education in 1995-96.

Sources: Established Programs Financing, and Canada Health and Social Transfer, Canada Department of Finance, Federal-Provincial Relations Division

FIGURE 1.3

FEDERAL EPF AND CHST SUPPORT OF ONTARIO POST-SECONDARY EDUCATION 1987-88 TO 2000-01

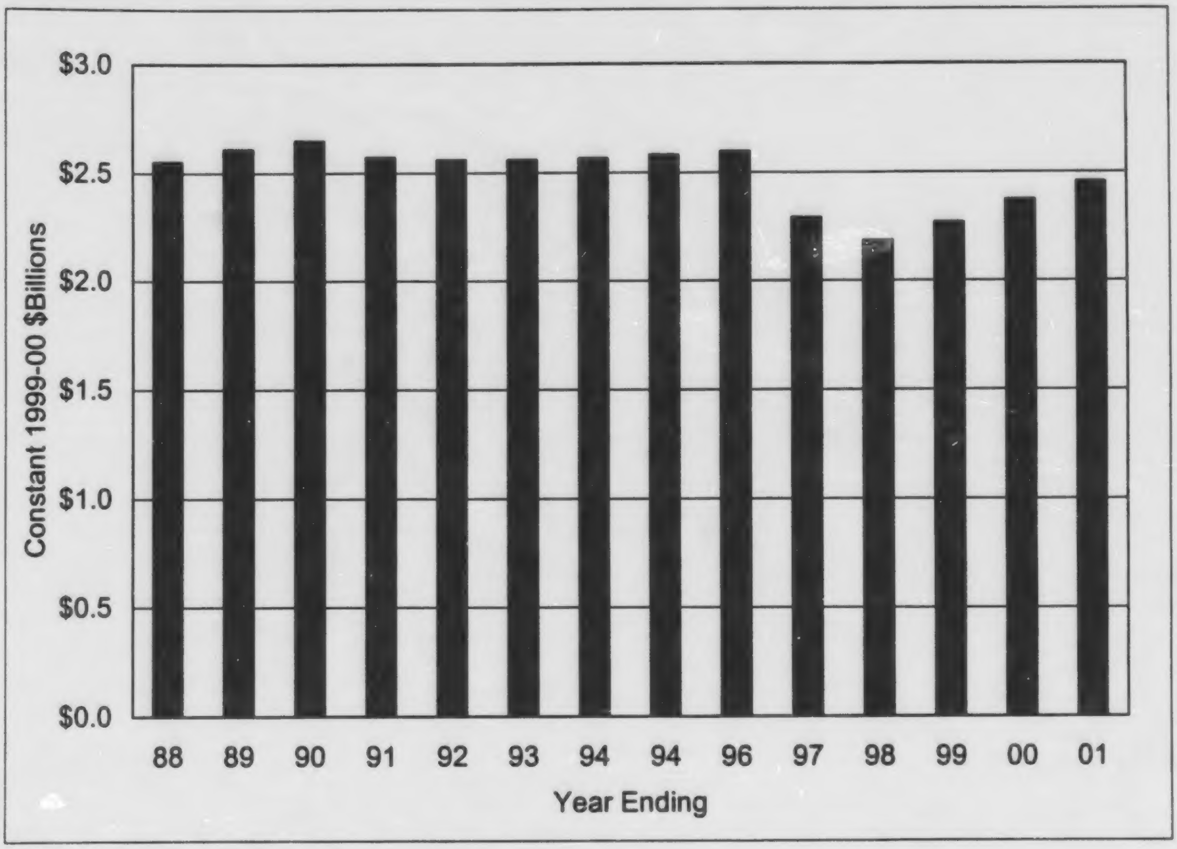


TABLE 1.4

UNIVERSITY OPERATING GRANTS COMPARED TO TOTAL PROVINCIAL BUDGET AND GROSS DOMESTIC PRODUCT
ONTARIO
1987-88 TO 2000-01

	University Operating Grants	Total Provincial Budget	Public Debt Interest	Total Prov Budget - Public Debt Interest	Gross Domestic Product
$Millions					
1987-88	$1,451.6	$34,941.9	$3,771.3	$31,170.6	$226,798
1988-89	$1,554.9	$38,734.9	$4,032.4	$34,702.5	$253,143
1989-90	$1,676.9	$41,602.4	$4,284.4	$37,318.0	$276,073
1990-91	$1,822.8	$46,457.7	$4,313.2	$42,144.5	$277,508
1991-92	$1,945.1	$51,683.2	$4,196.2	$47,487.0	$281,570
1992-93	$2,009.1	$53,706.9	$5,293.0	$48,413.9	$285,101
1993-94	$1,876.0	$53,883.4	$6,959.1	$46,924.3	$291,733
1994-95	$1,853.6	$53,616.8	$7,882.4	$45,734.4	$309,031
1995-96	$1,823.1	$58,155.1	$8,116.2	$50,038.9	$327,246
1996-97	$1,550.7	$54,021.8	$8,648.3	$45,373.5	$335,843
1997-98	$1,548.8	$54,643.5	$8,184.2	$46,459.2	$357,300
1998-99	$1,596.5	$60,287.5	$8,907.8	$51,379.7	$372,630
1999-00	$1,640.6	$62,822.4	$9,661.8	$53,160.7	$396,775
2000-01	$1,726.1	*$62,021.1*	*$9,401.0*	*$52,620.1*	*$428,164*
Index					
1987-88	100.0	100.0	100.0	100.0	100.0
1988-89	107.1	110.9	106.9	111.3	111.6
1989-90	115.5	119.1	113.6	119.7	121.7
1990-91	125.6	133.0	114.4	135.2	122.4
1991-92	134.0	147.9	111.3	152.3	124.2
1992-93	138.4	153.7	140.4	155.3	125.7
1993-94	129.2	154.2	184.5	150.5	128.6
1994-95	127.7	153.4	209.0	146.7	136.3
1995-96	125.6	166.4	215.2	160.5	144.3
1996-97	106.8	154.6	229.3	145.6	148.1
1997-98	106.7	156.4	217.0	149.0	157.5
1998-99	110.0	172.5	236.2	164.8	164.3
1999-00	113.0	179.8	256.2	170.5	174.9
2000-01	118.9	177.5	249.3	168.8	188.8

Notes:

Increase in Provincial Budget in 1995-96 is partly due to losses on loans of $4.09 billion under the *Financial Administration Act.*

Sources:

University Operating Grants, Total Provincial Budget, Public Debt Interest:
Public Accounts of Ontario, 1987-88 to 1998-99
Expenditure Estimates of Ontario, 1999-00
Gross Domestic Product:
Statistics Canada, CANSIM, 1987-88 to 1998-99
1999 and 2000 GDP from Ontario Budget 2001, p. 69

FIGURE 1.4

UNIVERSITY OPERATING GRANTS COMPARED TO TOTAL PROVINCIAL BUDGET AND GROSS DOMESTIC PRODUCT ONTARIO 1987-88 TO 2000-01

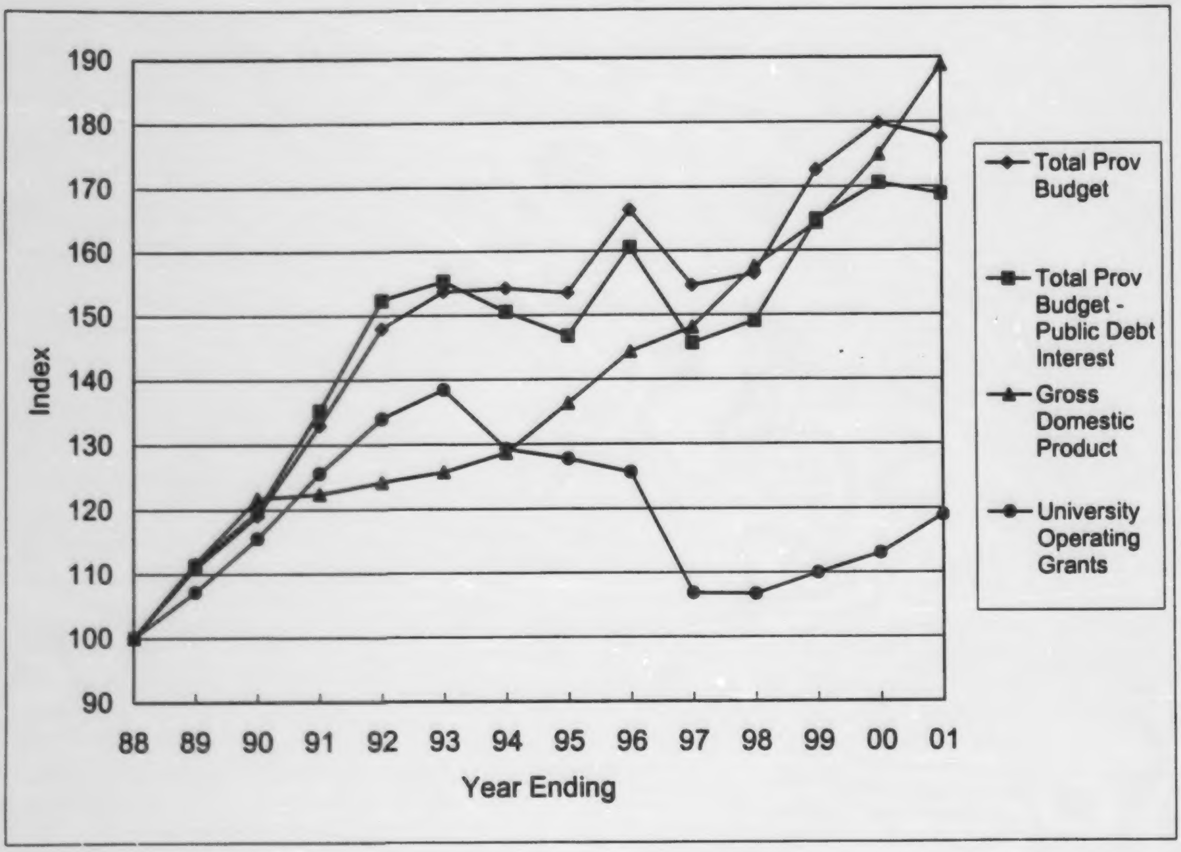


TABLE 1.5

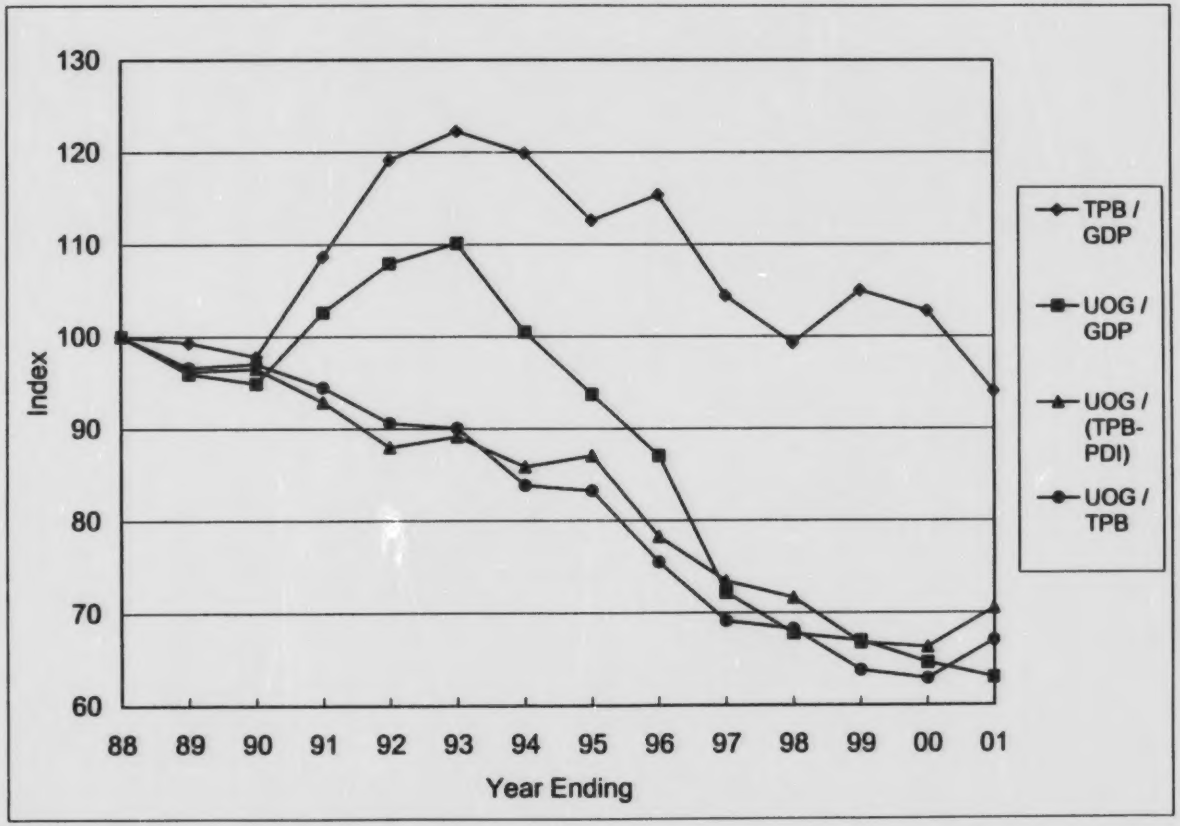
RATIOS OF UNIVERSITY OPERATING GRANTS, TOTAL PROVINCIAL BUDGET AND GROSS DOMESTIC PRODUCT
ONTARIO
1987-88 TO 2000-01

	Total Prov Budget as a Share of Gross Domestic Product		Univ Operating Grants as a Share of Total Prov Budget		Univ Operating Grants as a Share of Total Prov Budget - Public Debt Interest		Univ Operating Grants as a Share of Gross Domestic Product	
	%	Index	%	Index	%	Index	%	Index
1987-88	15.4%	100.0	4.15%	100.0	4.66%	100.0	0.640%	100.0
1988-89	15.3%	99.3	4.01%	96.6	4.48%	96.2	0.614%	96.0
1989-90	15.1%	97.8	4.03%	97.0	4.49%	96.5	0.607%	94.9
1990-91	16.7%	108.7	3.92%	94.4	4.33%	92.9	0.657%	102.6
1991-92	18.4%	119.1	3.76%	90.6	4.10%	88.0	0.691%	107.9
1992-93	18.8%	122.3	3.74%	90.0	4.15%	89.1	0.705%	110.1
1993-94	18.5%	119.9	3.48%	83.8	4.00%	85.8	0.643%	100.5
1994-95	17.3%	112.6	3.46%	83.2	4.05%	87.0	0.600%	93.7
1995-96	17.8%	115.3	3.13%	75.5	3.64%	78.2	0.557%	87.0
1996-97	16.1%	104.4	2.87%	69.1	3.42%	73.4	0.462%	72.1
1997-98	15.3%	99.3	2.83%	68.2	3.33%	71.6	0.433%	67.7
1998-99	16.2%	105.0	2.65%	63.7	3.11%	66.7	0.428%	66.9
1999-00	15.8%	102.8	2.61%	62.9	3.09%	66.3	0.413%	64.6
2000-01	14.5%	94.0	2.78%	67.0	3.28%	70.5	0.403%	63.0

Source: Resource Document, Table 1.4

FIGURE 1.5

RATIOS OF UNIVERSITY OPERATING GRANTS,
TOTAL PROVINCIAL BUDGET
AND GROSS PROVINCIAL PRODUCT
ONTARIO
1987-88 TO 2000-01



Legend GPP - Gross Provincial Product; TPB - Total Provincial Budget; PDI - Public Debt Interest; UOG - University Operating Grants

TABLE 1.6

INCOME FROM FEDERAL GRANTS AND CONTRACTS
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

	Actual $000s	Constant 1999-00 $000s	Index of Constant 1999-00 Dollars
1987-88	$230,938	$311,459	100.0
1988-89	$253,650	$328,565	105.5
1989-90	$269,125	$330,911	106.2
1990-91	$319,665	$374,062	120.1
1991-92	$309,582	$348,358	111.8
1992-93	$338,673	$374,659	120.3
1993-94	$348,314	$380,414	122.1
1994-95	$346,555	$376,279	120.8
1995-96	$346,843	$369,038	118.5
1996-97	$327,377	$342,118	109.8
1997-98	$320,116	$330,500	106.1
1998-99	$367,305	$375,392	120.5
1999-00	$458,865	$458,865	147.3

Notes: Most federal grants and contracts are for research.
Total expendable income. Includes affiliated and federated institution
1999-00 figure includes $54,023 for the
Canadian Foundation for Innovation (CFI)

Source: COFO-UO, Financial Report of Ontario Universities.

FIGURE 1.6

INCOME FROM FEDERAL GRANTS AND CONTRACTS
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

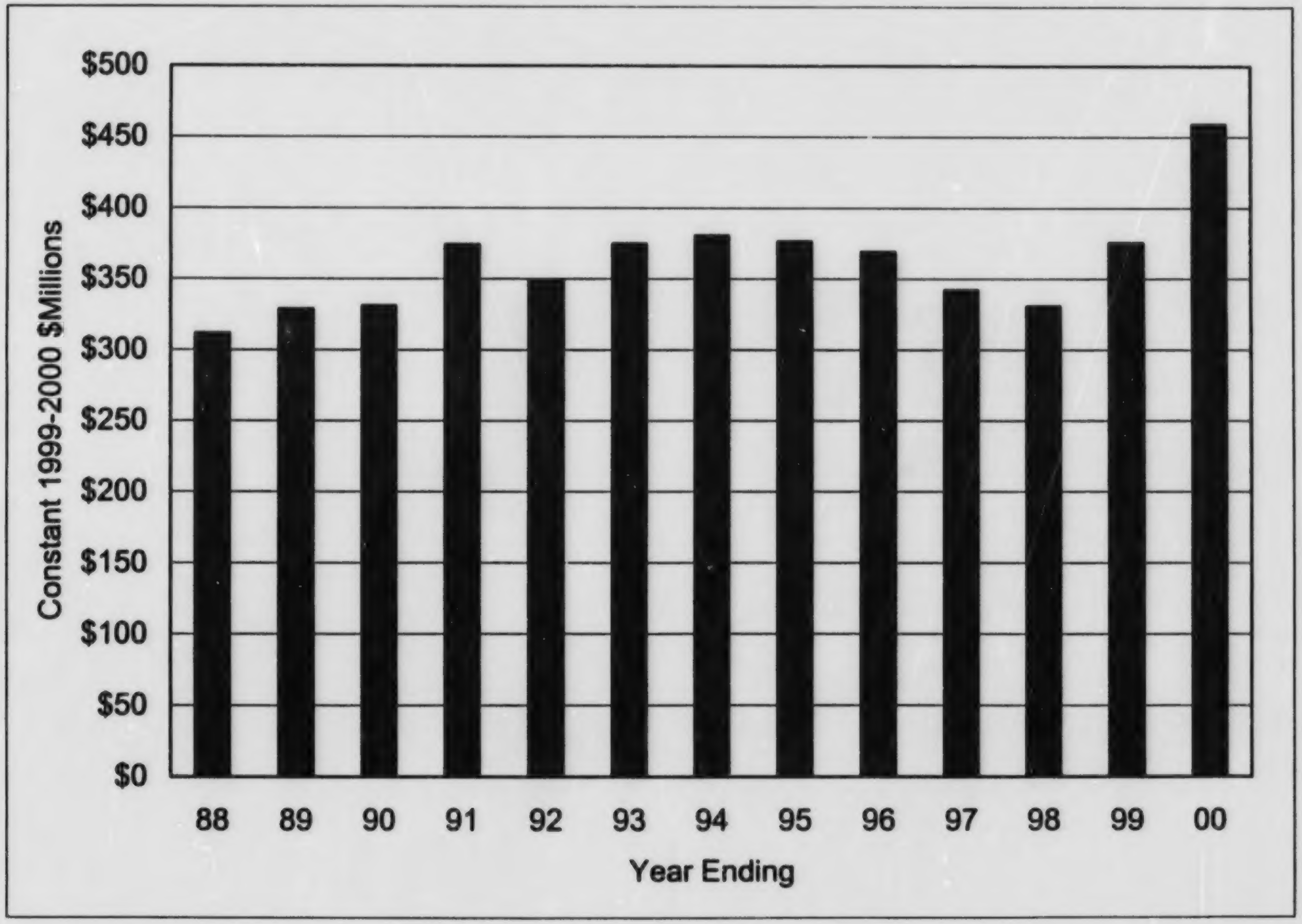


TABLE 1.7

INCOME FROM DONATIONS
AND NON-GOVERNMENT GRANTS AND CONTRACTS
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

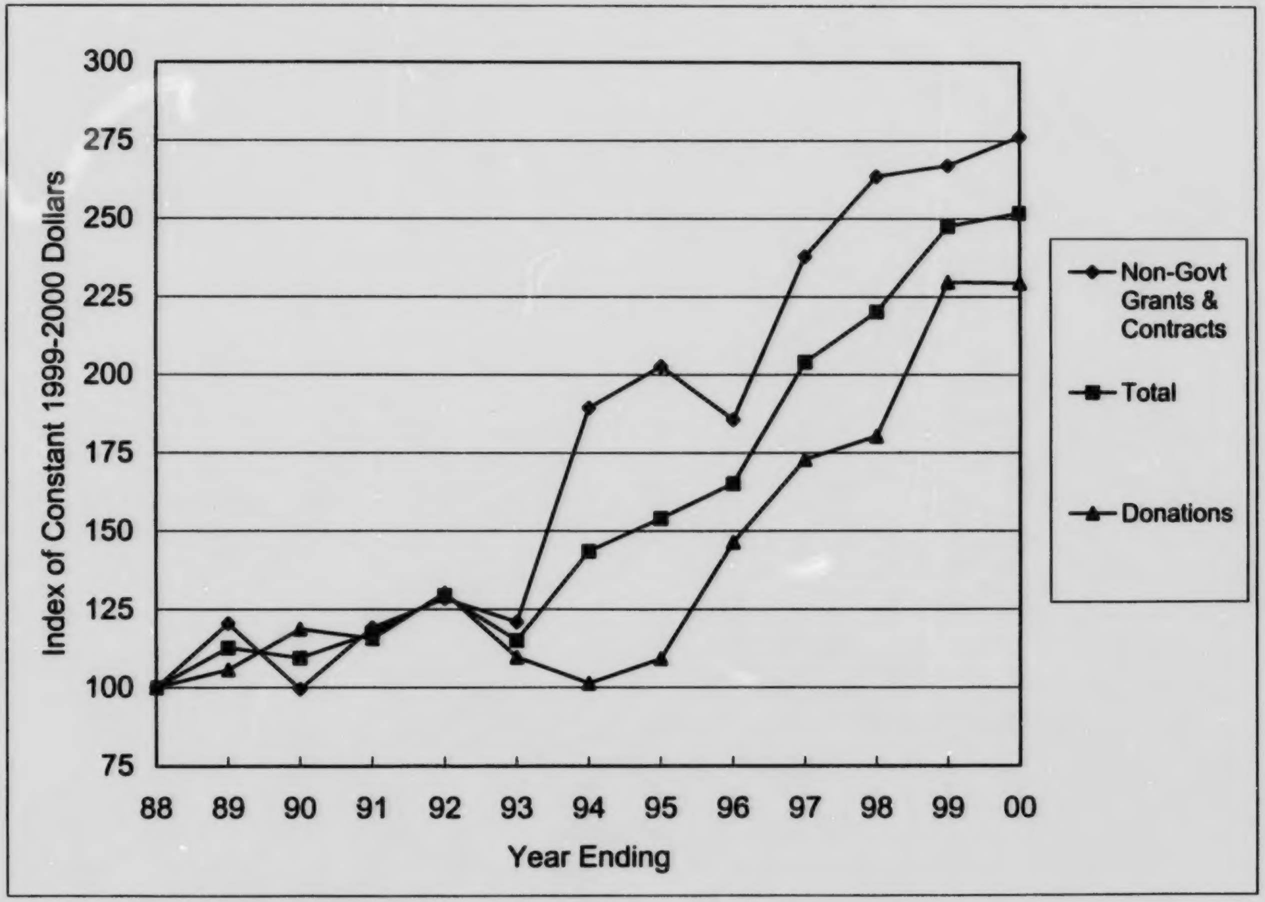
	Actual $000s							Constant 1999-00 $000s			Index of Constant 1999-00 Dollars		
	Expendable Donations	Non-Expend Donations	Donations	Expendable NG G&C	Non-Expend NG G&C	Non-Govt Grants & Contracts	Total	Donations	Non-Govt Grants & Contracts	Total	Donations	Non-Govt Grants & Contracts	Total
1987-88	$94,247	$19,826	$114,073	$105,214	$0	$105,214	$219,287	$153,847	$141,899	$295,745	100.0	100.0	100.0
1988-89	$108,724	$16,783	$125,507	$131,324	$680	$132,004	$257,511	$162,575	$170,991	$333,567	105.7	120.5	112.8
1989-90	$125,595	$22,946	$148,541	$114,281	$524	$114,805	$263,346	$182,643	$141,162	$323,805	118.7	99.5	109.5
1990-91	$132,927	$19,192	$152,119	$143,534	$992	$144,526	$296,645	$178,005	$169,120	$347,125	115.7	119.2	117.4
1991-92	$144,803	$33,212	$178,015	$161,932	$0	$161,932	$339,947	$200,312	$182,214	$382,526	130.2	128.4	129.3
1992-93	$131,050	$21,410	$152,460	$155,025	$25	$155,050	$307,510	$168,660	$171,525	$340,185	109.6	120.9	115.0
1993-94	$124,165	$18,547	$142,712	$246,051	$6	$246,057	$388,769	$155,864	$268,733	$424,597	101.3	189.4	143.6
1994-95	$129,143	$25,601	$154,744	$271,072	$7	$264,880	$419,624	$168,016	$287,599	$455,615	109.2	202.7	154.1
1995-96	$154,909	$56,793	$211,702	$252,169	$5	$247,495	$459,197	$225,249	$263,333	$488,582	146.4	185.6	165.2
1996-97	$120,830	$133,639	$254,469	$322,055	$890	$322,945	$577,414	$265,927	$337,487	$603,414	172.9	237.8	204.0
1997-98	$141,710	$126,892	$268,602	$360,746	$1,470	$362,216	$630,818	$277,315	$373,965	$651,280	180.3	263.5	220.2
1998-99	$210,305	$135,341	$345,646	$372,200	$6,121	$370,700	$716,346	$353,257	$378,862	$732,119	229.6	267.0	247.6
1999-00	$234,621	$118,220	$352,841	$397,264	$1,476	$392,022	$744,863	$352,841	$392,022	$744,863	229.3	276.3	251.9

Notes: Total expendable income + non-expendable trust and endowment income.
Includes affiliated and federated institutions.
The Non-Govt Grants and Contracts column total is less than the sum of its components in 94-95, 95-96, 98-99 and 99-00 because it has been reduced to remove double counting of affiliates.

Source: COFO-UO, Financial Report of Ontario Universities.

FIGURE 1.7

INCOME FROM DONATIONS AND NON-GOVERNMENT GRANTS AND CONTRACTS, ONTARIO UNIVERSITIES, 1987-88 TO 1999-00



Section 2

Grants and Revenue: Jurisdictional Comparisons

TABLE 2.1

PERCENT OF UNIVERSITY OPERATING INCOME
BY SOURCE OF INCOME
PROVINCIAL COMPARISON
1987-88 TO 1998-99

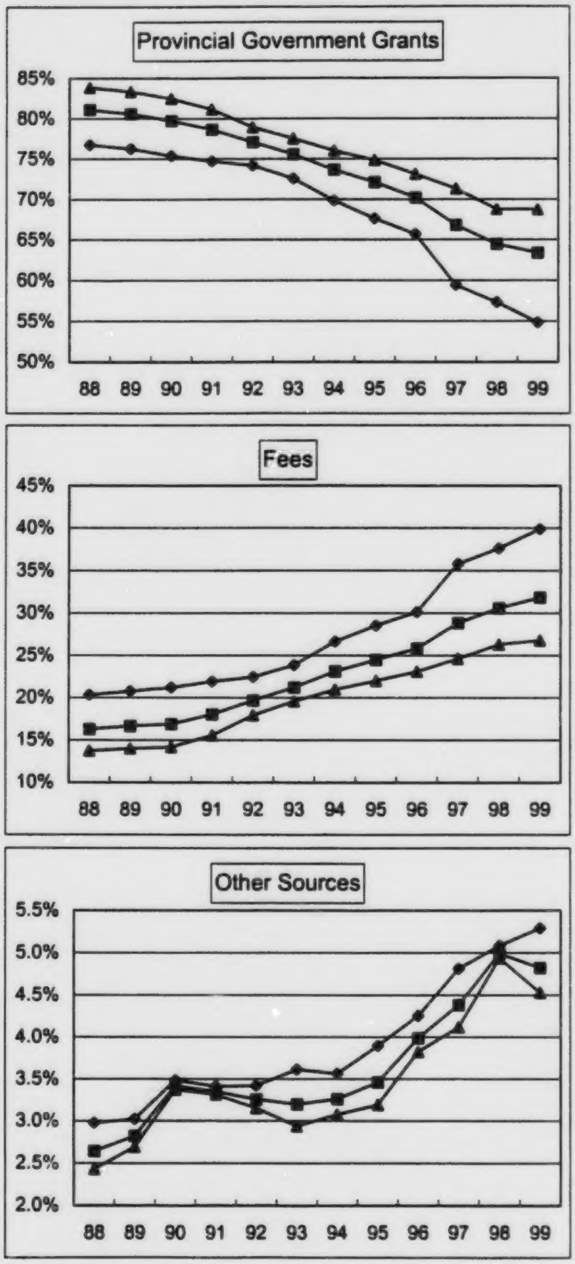
	Nfld	PEI	NS	NB	Que	Man	Sask	Alta	BC	9 Provs	Ontario	Canada
Provincial Government Grants												
1987-88	83.8%	84.6%	75.7%	76.3%	89.3%	82.3%	77.8%	84.2%	77.7%	83.9%	76.7%	81.1%
1988-89	84.3%	84.3%	74.4%	76.9%	88.9%	80.7%	75.7%	84.1%	77.2%	83.3%	76.2%	80.5%
1989-90	83.9%	84.4%	73.3%	76.2%	88.3%	79.7%	75.4%	82.4%	76.2%	82.5%	75.3%	79.7%
1990-91	83.6%	83.8%	72.9%	75.8%	85.6%	78.5%	73.8%	81.4%	77.1%	81.1%	74.7%	78.6%
1991-92	82.7%	80.8%	70.2%	74.0%	82.2%	75.7%	72.8%	80.5%	76.3%	78.9%	74.1%	77.1%
1992-93	82.0%	80.0%	68.6%	71.6%	80.8%	74.5%	70.8%	78.2%	75.9%	77.5%	72.5%	75.6%
1993-94	79.8%	79.0%	66.8%	70.8%	79.4%	73.4%	68.8%	76.2%	74.3%	76.0%	69.8%	73.6%
1994-95	78.9%	78.2%	63.4%	70.4%	79.3%	72.1%	66.8%	72.9%	73.3%	74.8%	67.6%	72.1%
1995-96	77.3%	77.3%	61.3%	69.8%	78.0%	72.3%	64.9%	69.2%	72.0%	73.1%	65.7%	70.2%
1996-97	72.9%	75.5%	57.3%	68.5%	76.6%	72.8%	64.3%	66.9%	70.6%	71.3%	59.4%	66.8%
1997-98	69.3%	71.1%	55.0%	66.9%	74.3%	71.3%	63.6%	63.4%	68.5%	68.8%	57.3%	64.5%
1998-99	67.1%	68.3%	53.9%	64.9%	75.1%	70.9%	63.4%	62.2%	69.3%	68.7%	54.8%	63.4%
98-99 rank	(5)	(4)	(10)	(6)	(1)	(2)	(7)	(8)	(3)		(9)	
Fees												
1987-88	13.8%	14.6%	21.8%	20.4%	8.7%	14.9%	16.4%	14.5%	19.5%	13.7%	20.3%	16.3%
1988-89	13.1%	14.4%	21.8%	21.1%	8.8%	16.6%	16.8%	14.5%	20.1%	14.0%	20.7%	16.6%
1989-90	13.1%	13.8%	22.6%	21.3%	8.6%	17.4%	17.2%	14.6%	20.4%	14.1%	21.2%	16.9%
1990-91	13.6%	14.3%	23.1%	21.8%	11.3%	18.6%	18.3%	15.4%	20.2%	15.5%	21.9%	18.0%
1991-92	15.3%	16.8%	26.0%	23.8%	14.6%	21.3%	19.8%	17.2%	21.1%	17.9%	22.4%	19.7%
1992-93	16.3%	17.8%	27.9%	26.5%	16.1%	23.8%	22.2%	20.0%	21.5%	19.6%	23.8%	21.2%
1993-94	18.3%	19.0%	29.9%	27.5%	17.0%	25.0%	22.5%	22.4%	23.2%	21.0%	26.6%	23.1%
1994-95	19.3%	19.6%	32.9%	27.5%	17.3%	26.3%	24.6%	25.3%	23.6%	22.0%	28.5%	24.5%
1995-96	20.4%	20.2%	35.3%	28.0%	17.7%	25.7%	27.3%	27.8%	24.5%	23.1%	30.1%	25.8%
1996-97	23.8%	22.9%	39.0%	28.9%	18.9%	25.9%	27.3%	30.0%	25.0%	24.6%	35.8%	28.8%
1997-98	27.2%	26.0%	41.7%	30.7%	21.1%	27.0%	29.8%	30.1%	25.1%	26.3%	37.6%	30.6%
1998-99	28.3%	26.8%	42.0%	32.1%	20.6%	27.3%	30.0%	32.4%	25.6%	26.7%	39.9%	31.8%
98-99 Rank	(6)	(8)	(1)	(4)	(10)	(7)	(5)	(3)	(9)		(2)	
Other Sources												
1987-88	2.4%	0.8%	2.5%	3.3%	2.1%	2.8%	5.8%	1.3%	2.8%	2.4%	3.0%	2.6%
1988-89	2.5%	1.3%	3.8%	2.1%	2.3%	2.8%	7.5%	1.4%	2.7%	2.7%	3.0%	2.8%
1989-90	3.1%	1.8%	4.1%	2.5%	3.0%	2.9%	7.4%	3.0%	3.3%	3.4%	3.5%	3.4%
1990-91	2.8%	1.9%	4.0%	2.4%	3.1%	2.9%	7.8%	3.2%	2.7%	3.3%	3.4%	3.4%
1991-92	1.9%	2.5%	3.8%	2.1%	3.2%	3.0%	7.4%	2.3%	2.6%	3.2%	3.4%	3.3%
1992-93	1.8%	2.2%	3.5%	1.9%	3.2%	1.8%	7.1%	1.8%	2.6%	2.9%	3.6%	3.2%
1993-94	1.8%	2.0%	3.3%	1.7%	3.6%	1.6%	8.7%	1.4%	2.4%	3.1%	3.6%	3.3%
1994-95	1.8%	2.2%	3.7%	2.1%	3.4%	1.6%	8.6%	1.8%	3.1%	3.2%	3.9%	3.5%
1995-96	2.3%	2.5%	3.3%	2.2%	4.4%	2.0%	7.8%	3.0%	3.5%	3.8%	4.2%	4.0%
1996-97	3.4%	1.6%	3.7%	2.6%	4.5%	1.4%	8.3%	3.1%	4.4%	4.1%	4.8%	4.4%
1997-98	3.5%	3.0%	3.2%	2.4%	4.6%	1.7%	6.6%	6.5%	6.4%	4.9%	5.1%	5.0%
1998-99	4.5%	4.9%	4.1%	3.0%	4.2%	1.8%	6.7%	5.4%	5.1%	4.5%	5.3%	4.8%
98-99 Rank	(6)	(5)	(8)	(9)	(7)	(10)	(1)	(2)	(4)		(3)	

Notes: Fees = Credit Courses + Non-Credit Courses + Misc Fees.
Other Sources = Municipal Govt Grants + Other Govt Grants + Bequests/Donations/Non-Govt Grants + Sale of Service/Products + Investment Income + Misc Income + Federal Government Grants (SSHRC + Health/Welfare + NSERC + MRC + Other Grants).
Provincial Government Grants has no sub-categories.
For each province and year, percentages add to 100 across the three categories of income source.

Source: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.

FIGURE 2.1

PERCENT OF UNIVERSITY OPERATING INCOME
BY SOURCE OF INCOME
PROVINCIAL COMPARISON
1987-88 TO 1998-99



X-Axes	Year Ending
Y-Axes	Percent of University Operating Income
Legend	Diamond - Ontario; Square - Canada; Triangle - 9 Provinces

TABLE 2.2

PERCENT OF TOTAL UNIVERSITY INCOME
BY SOURCE OF INCOME
PROVINCIAL COMPARISON
1987-88 TO 1998-99

	Nfld	PEI	NS	NB	Que	Man	Sask	Alta	BC	9 Provs	Ontario	Canada
Federal Government Grants												
1987-88	6.6%	2.6%	8.8%	6.0%	9.1%	9.1%	8.4%	7.4%	10.7%	8.7%	8.1%	8.5%
1988-89	15.1%	3.2%	10.2%	6.7%	9.6%	10.8%	9.4%	7.4%	10.4%	9.5%	7.7%	8.8%
1989-90	11.6%	2.8%	10.9%	6.6%	9.5%	10.0%	7.9%	7.7%	9.6%	9.1%	7.8%	8.6%
1990-91	10.4%	2.6%	13.0%	6.5%	10.0%	9.1%	8.4%	8.7%	11.9%	10.0%	8.5%	9.4%
1991-92	9.6%	4.0%	12.5%	6.3%	9.6%	8.5%	9.4%	8.5%	11.5%	9.7%	7.6%	8.9%
1992-93	12.4%	3.6%	11.2%	6.5%	9.1%	8.4%	10.2%	8.5%	11.5%	9.6%	8.0%	9.0%
1993-94	11.7%	2.5%	9.3%	6.1%	9.3%	7.8%	9.9%	8.2%	11.0%	9.3%	8.2%	8.8%
1994-95	10.5%	2.0%	9.5%	7.5%	8.9%	8.3%	9.9%	9.5%	10.7%	9.3%	8.0%	8.8%
1995-96	9.3%	1.7%	8.8%	6.7%	8.8%	7.0%	8.2%	10.5%	9.0%	8.8%	7.9%	8.5%
1996-97	9.3%	2.0%	9.3%	5.2%	8.8%	7.7%	8.2%	10.0%	8.2%	8.6%	7.7%	8.3%
1997-98	10.7%	2.8%	6.8%	5.3%	8.1%	7.8%	6.5%	8.6%	6.9%	7.6%	7.1%	7.4%
1998-99	10.9%	4.3%	6.4%	5.0%	9.6%	7.8%	7.8%	8.6%	8.2%	8.5%	7.7%	8.2%
98-99 Rank	(1)	(10)	(8)	(9)	(2)	(6)	(5)	(3)	(4)		(7)	
Provincial Government Grants												
1987-88	72.3%	74.4%	53.0%	60.4%	71.1%	63.3%	64.5%	65.0%	55.3%	65.1%	56.7%	61.9%
1988-89	65.3%	71.3%	52.5%	59.0%	69.8%	59.7%	62.2%	64.8%	57.1%	64.0%	56.3%	60.9%
1989-90	67.4%	63.7%	51.4%	56.4%	67.8%	59.6%	65.9%	64.5%	55.8%	63.0%	55.7%	60.2%
1990-91	67.8%	70.9%	49.8%	57.0%	67.2%	59.3%	63.0%	61.7%	55.0%	62.0%	53.7%	58.8%
1991-92	66.4%	69.8%	48.4%	56.0%	63.0%	58.1%	56.8%	61.8%	55.4%	59.7%	55.1%	57.9%
1992-93	64.9%	68.2%	48.0%	54.7%	62.2%	57.9%	54.8%	59.6%	53.6%	58.6%	54.0%	56.8%
1993-94	60.7%	70.1%	47.2%	54.9%	62.4%	56.4%	53.4%	56.0%	52.6%	57.6%	50.1%	54.7%
1994-95	62.0%	68.3%	44.5%	52.4%	63.9%	54.3%	52.4%	52.6%	51.2%	57.0%	48.7%	53.8%
1995-96	61.5%	65.0%	43.2%	52.9%	63.1%	53.2%	51.1%	48.4%	51.0%	55.6%	46.9%	52.3%
1996-97	55.3%	64.7%	39.1%	50.6%	61.8%	56.2%	49.1%	47.4%	48.8%	53.8%	42.0%	49.4%
1997-98	52.6%	59.2%	39.0%	49.7%	59.0%	53.3%	48.6%	46.8%	49.1%	52.1%	40.0%	47.5%
1998-99	52.2%	58.2%	38.5%	48.0%	57.1%	54.1%	48.7%	47.2%	47.6%	51.1%	38.8%	46.4%
98-99 Rank	(4)	(1)	(10)	(6)	(2)	(3)	(5)	(8)	(7)		(9)	

Fees

1987-88	10.4%	10.2%	14.9%	14.5%	6.0%	10.3%	10.8%	8.7%	12.6%	9.2%	13.8%	11.0%
1988-89	9.7%	12.1%	14.8%	14.6%	6.1%	11.1%	11.0%	8.7%	12.7%	9.3%	13.3%	10.9%
1989-90	10.3%	10.3%	15.4%	15.0%	6.0%	11.8%	10.2%	9.0%	12.9%	9.4%	14.1%	11.2%
1990-91	10.8%	12.0%	15.1%	15.7%	7.8%	12.3%	11.1%	9.7%	12.4%	10.3%	14.6%	12.0%
1991-92	11.9%	14.4%	17.0%	16.9%	9.9%	14.3%	14.0%	11.2%	12.7%	12.0%	14.8%	13.1%
1992-93	12.2%	15.1%	18.5%	18.7%	10.9%	16.3%	15.6%	13.0%	13.5%	13.1%	16.0%	14.2%
1993-94	13.7%	16.4%	20.4%	19.4%	11.6%	17.5%	15.6%	14.4%	14.5%	14.1%	17.2%	15.3%
1994-95	14.8%	16.7%	22.4%	19.3%	11.6%	18.1%	16.4%	16.2%	14.0%	14.5%	18.4%	16.0%
1995-96	15.4%	15.7%	24.2%	18.9%	11.8%	17.2%	16.4%	17.4%	14.9%	15.1%	19.7%	16.8%
1996-97	17.8%	19.1%	25.5%	20.6%	12.4%	17.9%	16.4%	18.8%	15.2%	15.9%	23.1%	18.6%
1997-98	20.4%	21.1%	28.2%	21.6%	13.6%	18.3%	16.9%	18.5%	16.1%	16.9%	23.7%	19.5%
1998-99	21.6%	21.9%	28.5%	22.5%	13.1%	18.2%	16.6%	19.6%	16.7%	17.1%	25.4%	20.3%
98-99 Rank	(5)	(4)	(1)	(3)	(10)	(7)	(9)	(6)	(8)		(2)	

Other Sources

1987-88	10.8%	12.8%	23.3%	19.1%	13.8%	17.3%	16.3%	18.9%	21.4%	17.0%	21.4%	18.7%
1988-89	9.9%	13.4%	22.5%	19.7%	14.5%	18.4%	17.3%	19.1%	19.8%	17.2%	22.7%	19.4%
1989-90	10.7%	23.2%	22.4%	21.9%	16.7%	18.7%	16.0%	18.8%	21.8%	18.4%	22.4%	19.9%
1990-91	11.0%	14.5%	22.0%	20.8%	15.0%	19.2%	17.6%	19.9%	20.7%	17.7%	23.2%	19.8%
1991-92	12.1%	11.7%	22.2%	20.8%	17.4%	19.1%	19.7%	18.6%	20.4%	18.6%	22.5%	20.1%
1992-93	10.5%	13.1%	22.3%	20.1%	17.8%	17.4%	19.4%	18.9%	21.4%	18.7%	22.0%	20.0%
1993-94	13.8%	11.0%	23.1%	19.6%	16.8%	18.3%	21.1%	21.4%	21.9%	19.0%	24.6%	21.2%
1994-95	12.7%	13.0%	23.7%	20.9%	15.6%	19.3%	21.2%	21.6%	24.0%	19.2%	24.8%	21.3%
1995-96	13.7%	17.6%	23.8%	21.5%	16.3%	22.5%	24.4%	23.7%	25.1%	20.5%	25.6%	22.4%
1996-97	17.6%	14.2%	26.2%	23.6%	17.1%	18.2%	26.3%	23.7%	27.9%	21.7%	27.2%	23.7%
1997-98	16.2%	16.8%	26.0%	23.5%	19.3%	20.7%	28.0%	26.2%	27.9%	23.3%	29.2%	25.6%
1998-99	15.3%	15.6%	26.6%	24.5%	20.2%	19.8%	26.8%	24.7%	27.4%	23.2%	28.1%	25.1%
98-99 Rank	(10)	(9)	(4)	(6)	(7)	(8)	(3)	(5)	(2)		(1)	

Notes: Total Income = General Operating + Special Purpose/Trust + Sponsored Research + Ancillary Enterprises + Plant.

Federal Government Grants = SSHRC + Health/Welfare + NSERC + MRC + Other Grants.

Fees = Credit Courses + Non-Credit Courses + Misc Fees.

Other Sources = Municipal Govt Grants + Other Govt Grants + Bequests/Donations/Non-Govt Grants.

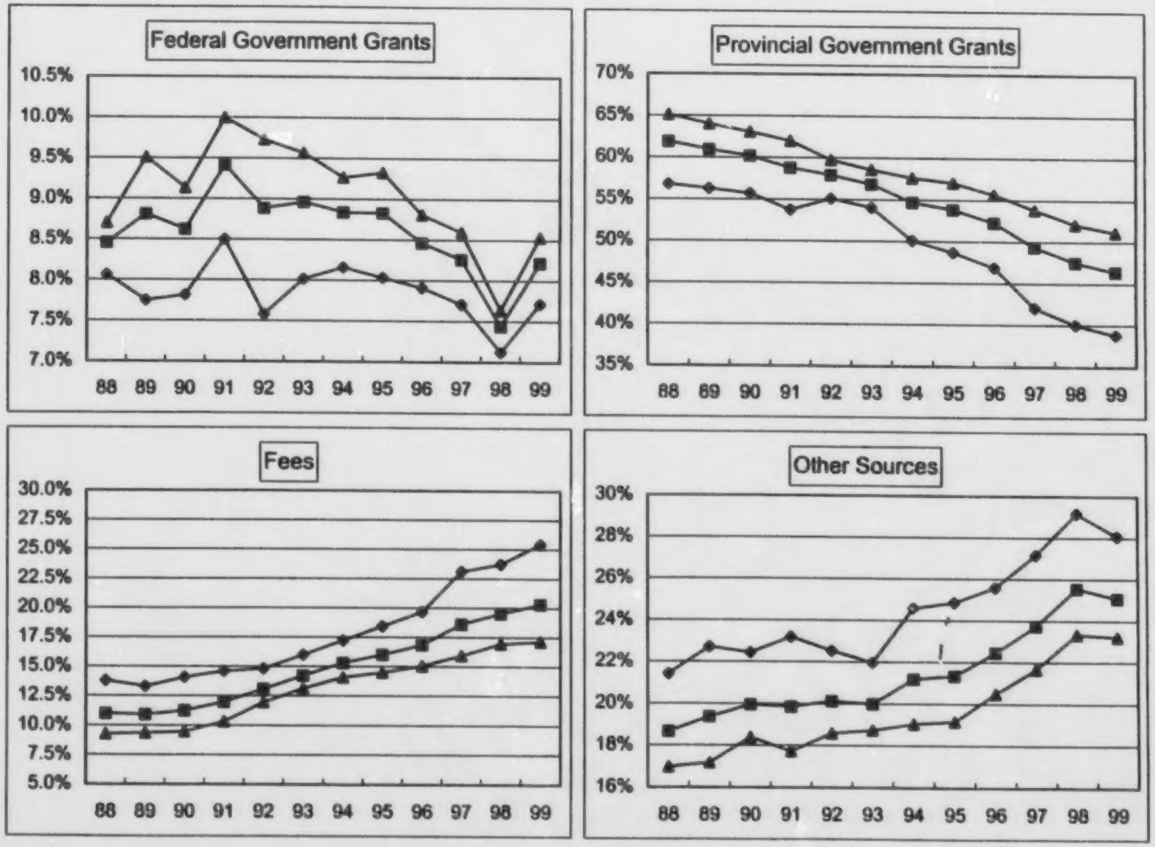
Provincial Government Grants has no sub-categories.

For each province and year, percentages add to 100 across the four categories of income source.

Source: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.

FIGURE 2.2

PERCENT OF TOTAL UNIVERSITY INCOME
BY SOURCE OF INCOME
PROVINCIAL COMPARISON
1987-88 TO 1998-99



X-Axes	Year Ending
Y-Axes	Percent of Total University Income
Legend	Diamond - Ontario; Square - Canada; Triangle - 9 Provinces

TABLE 2.3

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER FTE ENROLMENT
PROVINCIAL COMPARISON
1988-89 TO 1999-00

		1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
Nfld	Actual $	$8,233	$8,668	$8,642	$8,390	$8,996	$8,719	$8,879	$8,400	$8,201	$8,018	$7,815	*$8,398*	*$8,669*
	Rank	(1)	(1)	(1)	(2)	(1)	(1)	(1)	(1)	(2)	(2)	(3)	*(2)*	*(2)*
PEI	Actual $	$7,771	$8,083	$8,219	$8,008	$7,907	$7,919	$7,927	$8,318	$8,960	$7,885	$7,933	*$7,341*	*$7,468*
	Rank	(2)	(2)	(3)	(3)	(5)	(4)	(4)	(3)	(1)	(3)	(2)	*(5)*	*(6)*
NS	Actual $	$6,276	$6,305	$6,494	$6,224	$6,132	$6,039	$5,818	$5,787	$5,375	$5,326	$5,606	*$5,837*	*$6,009*
	Rank	(9)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	*(10)*	*(10)*
NB	Actual $	$6,664	$6,908	$7,162	$6,861	$6,534	$6,593	$6,630	$6,733	$6,995	$7,127	$7,042	*$7,297*	*$7,296*
	Rank	(7)	(8)	(8)	(9)	(9)	(9)	(8)	(7)	(6)	(6)	(7)	*(7)*	*(7)*
Que	Actual $	$7,340	$7,827	$8,270	$8,443	$8,427	$8,390	$8,593	$8,386	$7,941	$7,504	$7,803	*$7,728*	*$8,187*
	Rank	(4)	(3)	(2)	(1)	(2)	(2)	(2)	(2)	(3)	(5)	(4)	*(4)*	*(3)*
Man	Actual $	$7,150	$7,483	$7,666	$7,579	$7,681	$7,732	$7,051	$7,698	$7,938	$8,188	$8,537	*$8,752*	*$8,760*
	Rank	(5)	(5)	(4)	(6)	(6)	(6)	(6)	(5)	(4)	(1)	(1)	*(1)*	*(1)*
Sask	Actual $	$7,011	$7,215	$7,194	$7,528	$7,225	$7,110	$6,849	$6,748	$6,946	$6,755	$7,135	*$7,318*	*$7,537*
	Rank	(6)	(6)	(7)	(7)	(7)	(7)	(7)	(6)	(7)	(7)	(6)	*(6)*	*(5)*
Alta	Actual $	$7,364	$7,493	$7,605	$7,859	$7,942	$7,782	$7,190	$6,698	$6,527	$6,744	$6,740	*$6,741*	*$6,991*
	Rank	(3)	(4)	(5)	(4)	(4)	(5)	(5)	(8)	(8)	(8)	(8)	*(8)*	*(8)*
BC	Actual $	$6,439	$7,076	$7,524	$7,844	$8,022	$8,063	$8,258	$8,103	$7,729	$7,658	$7,573	*$7,730*	*$7,911*
	Rank	(8)	(7)	(6)	(5)	(3)	(3)	(3)	(4)	(5)	(4)	(5)	*(3)*	*(4)*
9 Provs	Actual $	$7,119	$7,503	$7,816	$7,944	$7,964	$7,916	$7,886	$7,720	$7,444	$7,270	$7,429	*$7,486*	*$7,786*
Diff from Ont	Actual $	$848	$1,029	$1,045	$995	$950	$1,290	$1,331	$1,114	$1,618	$1,417	$1,502	*$1,562*	*$1,734*
Ont	Actual $	$6,271	$6,474	$6,772	$6,949	$7,014	$6,625	$6,556	$6,606	$5,826	$5,853	$5,928	*$5,924*	*$6,052*
	Rank	(10)	(9)	(9)	(8)	(8)	(8)	(9)	(9)	(9)	(9)	(9)	*(9)*	*(9)*
Canada	Actual $	$6,816	$7,133	$7,438	$7,583	$7,621	$7,454	$7,412	$7,324	$6,877	$6,773	$6,905	*$6,935*	*$7,170*
Diff from Ont	Actual $	$544	$659	$667	$634	$607	$829	$857	$719	$1,051	$921	$977	*$1,011*	*$1,118*

Notes:

Corresponding Figure 2.3 displays constant 1999-00 dollars, not actual dollars.

Sources:

Operating Grants:

To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.

1990-91 onwards: The year-to-year percentage changes in provincial operating grants contained in the Financial Reports of the Canadian Association of University Business Officers were used to estimate provincial operating grants for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. The 2000-01 estimated percentage changes were obtained from the Public Accounts and Expenditure Estimates of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.

Enrolment:

To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.

1990-91 onwards: The year-to-year percentage changes in FTE enrolment provided by Statistics Canada were used to estimate FTE enrolment for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. 1999-00 and 2000-01 estimated percentage changes were obtained from MTCU and AUCC.

FIGURE 2.3

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER FTE ENROLMENT
PROVINCIAL COMPARISON
1988-89 TO 2000-01

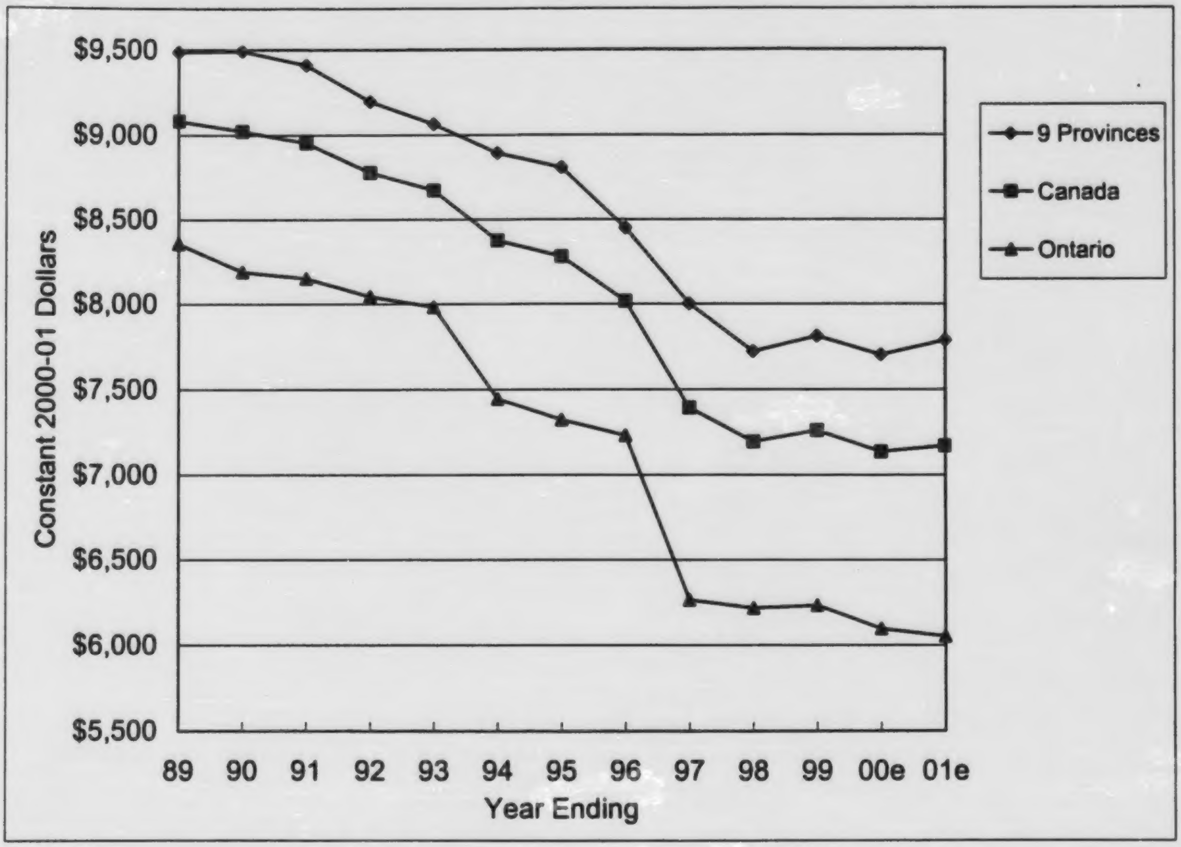


TABLE 2.4

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER CAPITA
PROVINCIAL COMPARISON
1988-89 TO 2000-01

		1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	*1999-00*	*2000-01*
Nfld	Actual $	$165.53	$200.03	$213.94	$213.77	$233.27	$222.02	$228.46	$218.17	$212.09	$207.83	$205.39	*$221.77*	*$232.86*
	Rank	(3)	(3)	(2)	(3)	(2)	(2)	(2)	(2)	(2)	(1)	(2)	*(1)*	*(2)*
PEI	Actual $	$170.99	$185.54	$203.89	$206.11	$209.98	$202.92	$187.22	$184.02	$186.47	$173.74	$174.57	*$173.57*	*$186.32*
	Rank	(5)	(5)	(4)	(4)	(4)	(4)	(5)	(6)	(6)	(6)	(6)	*(7)*	*(7)*
NS	Actual $	$191.54	$201.55	$212.32	$214.56	$215.53	$214.16	$204.06	$200.68	$186.92	$185.51	$195.00	*$202.57*	*$206.39*
	Rank	(2)	(2)	(3)	(2)	(3)	(3)	(3)	(4)	(5)	(5)	(5)	*(4)*	*(5)*
NB	Actual $	$167.59	$179.24	$192.30	$196.09	$195.62	$200.34	$200.73	$202.62	$203.47	$201.18	$199.52	*$203.55*	*$207.31*
	Rank	(7)	(7)	(6)	(6)	(6)	(5)	(4)	(3)	(3)	(3)	(3)	*(3)*	*(3)*
Que	Actual $	$207.23	$222.99	$237.19	$248.00	$254.56	$253.67	$252.90	$240.16	$223.05	$207.54	$218.05	*$219.38*	*$236.80*
	Rank	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(2)	(1)	*(2)*	*(1)*
Man	Actual $	$169.88	$180.10	$186.78	$192.07	$194.95	$192.62	$185.50	$188.25	$193.45	$190.62	$197.44	*$200.46*	*$207.08*
	Rank	(6)	(6)	(7)	(7)	(7)	(7)	(6)	(5)	(4)	(4)	(4)	*(5)*	*(4)*
Sask	Actual $	$149.00	$158.92	$166.27	$180.04	$176.90	$172.12	$165.23	$164.74	$167.92	$164.01	$171.77	*$179.93*	*$186.51*
	Rank	(9)	(8)	(9)	(8)	(9)	(8)	(9)	(9)	(7)	(8)	(7)	*(6)*	*(6)*
Alta	Actual $	$184.49	$192.10	$195.08	$198.91	$204.34	$199.89	$180.48	$169.78	$166.09	$168.61	$167.84	*$167.79*	*$175.65*
	Rank	(4)	(4)	(5)	(5)	(5)	(6)	(7)	(7)	(8)	(7)	(8)	*(8)*	*(8)*
BC	Actual $	$124.73	$141.67	$152.76	$165.24	$167.45	$164.53	$169.98	$168.19	$162.76	$161.41	$161.02	*$164.12*	*$171.53*
	Rank	(10)	(10)	(10)	(10)	(10)	(10)	(8)	(8)	(9)	(9)	(9)	*(9)*	*(9)*
9 Provs	Actual $	$179.12	$192.59	$203.34	$211.96	$216.33	$213.83	$210.24	$202.70	$193.72	$186.83	$191.76	*$194.48*	*$205.48*
Diff from Ont	Actual $	$28.60	$35.03	$35.65	$34.31	$36.06	$46.73	$48.52	$43.63	$57.56	$52.47	$56.48	*$57.22*	*$62.18*
Ont	Actual $	$150.52	$157.56	$167.69	$177.65	$180.28	$167.09	$161.73	$159.07	$138.16	$134.36	$135.29	*$137.26*	*$143.30*
	Rank	(8)	(9)	(8)	(9)	(8)	(9)	(10)	(10)	(10)	(10)	(10)	*(10)*	*(10)*
Canada	Actual $	$168.58	$179.56	$190.03	$199.15	$202.85	$196.36	$192.09	$186.35	$172.12	$167.07	$170.42	*$172.77*	*$181.83*
Diff from Ont	Actual $	$18.05	$22.00	$22.34	$21.50	$22.59	$29.27	$30.36	$27.28	$35.95	$32.71	$35.13	*$35.51*	*$38.53*

Notes:

Corresponding Figure 2.4 displays constant 1999-00 dollars, not actual dollars.

Sources:

Operating Grants:

To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.

1990-91 onwards: The year-to-year percentage changes in provincial operating grants contained in the Financial Reports of the Canadian Association of University Business Officers were used to estimate provincial operating grants for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. The 1999-00 and 2000-01 estimated percentage changes were obtained from the Public Accounts and Expenditure Estimates of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.

Population:

Statistics Canada.

Per capita means per unit of population

FIGURE 2.4

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER CAPITA
PROVINCIAL COMPARISON
1988-89 TO 2000-01

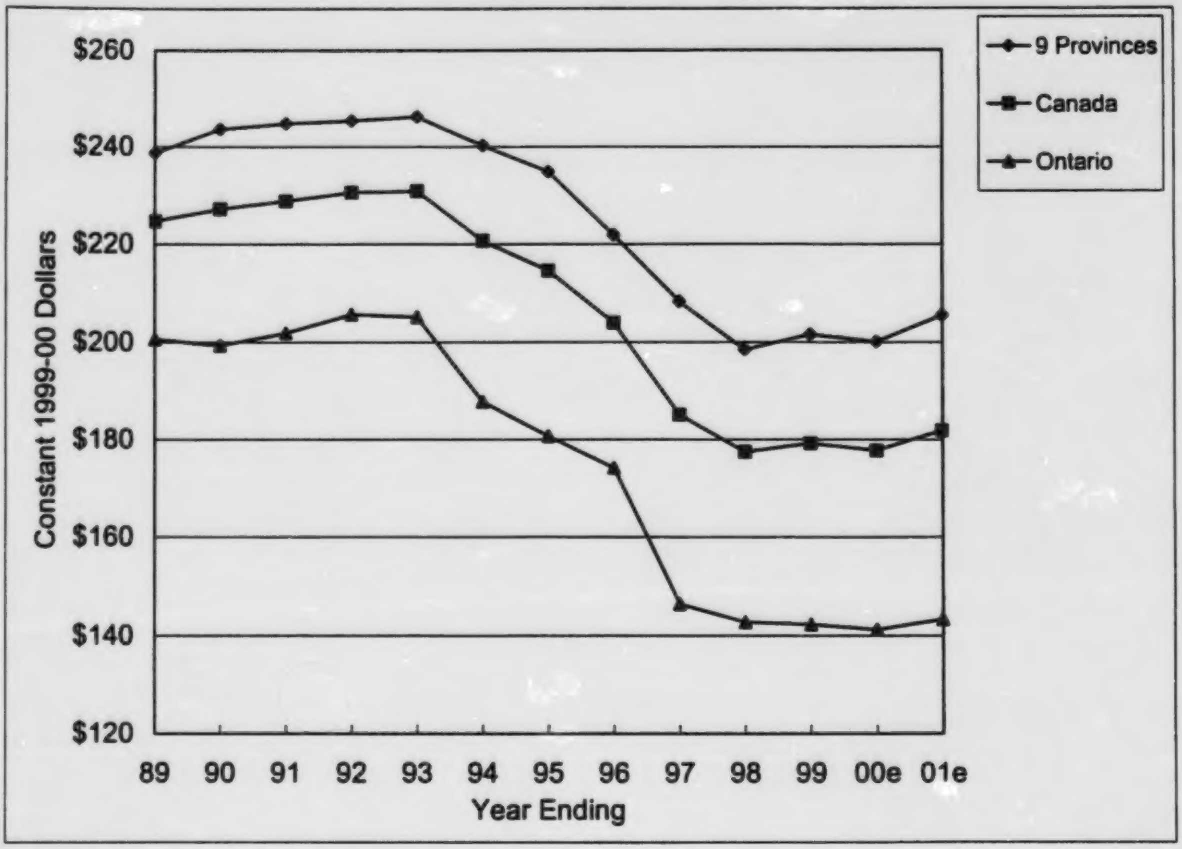


TABLE 2.5

PROVINCIAL UNIVERSITY OPERATING GRANTS PER $1000 OF TOTAL PROVINCIAL PERSONAL INCOME PROVINCIAL COMPARISON 1988-89 TO 1999-2000

		1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
Nfld	Actual $	13.28	13.36	13.25	13.28	14.20	13.24	13.22	12.23	11.92	11.52	10.81	*11.30*
	Rank	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	*(1)*
PEI	Actual $	11.86	12.30	12.63	11.76	11.79	11.02	10.27	9.76	9.87	9.12	8.89	*8.54*
	Rank	(3)	(2)	(2)	(3)	(3)	(4)	(5)	(5)	(4)	(4)	(5)	*(6)*
NS	Actual $	12.21	12.08	11.97	11.41	11.22	11.05	10.46	10.07	9.37	9.06	9.14	*9.15*
	Rank	(2)	(3)	(3)	(4)	(4)	(3)	(4)	(4)	(5)	(5)	(4)	*(4)*
NB	Actual $	11.30	11.38	11.55	11.15	10.80	10.88	10.68	10.40	10.33	10.05	9.54	*9.40*
	Rank	(5)	(5)	(5)	(5)	(5)	(5)	(3)	(3)	(2)	(2)	(3)	*(2)*
Que	Actual $	11.77	11.91	11.89	12.46	12.59	12.34	12.18	11.26	10.30	9.40	9.58	*9.32*
	Rank	(4)	(4)	(4)	(2)	(2)	(2)	(2)	(2)	(3)	(3)	(2)	*(3)*
Man	Actual $	10.06	10.06	9.80	9.85	9.80	9.67	9.14	8.98	8.96	8.63	8.58	*8.55*
	Rank	(6)	(6)	(6)	(7)	(7)	(6)	(6)	(6)	(6)	(6)	(6)	*(5)*
Sask	Actual $	9.72	9.56	9.34	10.05	9.96	9.41	8.96	8.40	8.09	8.07	8.16	*8.29*
	Rank	(7)	(7)	(7)	(6)	(6)	(7)	(7)	(7)	(7)	(7)	(7)	*(7)*
Alta	Actual $	9.61	9.55	9.11	8.96	9.12	8.74	7.87	7.21	6.90	6.59	6.27	*6.07*
	Rank	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(9)	(9)	*(9)*
BC	Actual $	6.70	7.00	7.02	7.40	7.39	7.17	7.30	7.07	6.82	6.69	6.59	*6.60*
	Rank	(10)	(10)	(10)	(10)	(10)	(9)	(9)	(9)	(9)	(8)	(8)	*(8)*
9 Provs	Actual $	10.25	10.33	10.21	10.46	10.51	10.22	9.93	9.31	8.76	8.25	8.20	*$8.08*
Diff from Ont	Actual $	3.06	3.28	2.96	2.98	3.00	3.24	3.21	2.88	3.29	3.02	3.12	*$3.08*
Ont	Actual $	7.20	7.05	7.25	7.48	7.51	6.98	6.72	6.43	5.47	5.23	5.08	*$4.99*
	Rank	(9)	(9)	(9)	(9)	(9)	(10)	(10)	(10)	(10)	(10)	(10)	*(10)*
Canada	Actual $	8.99	8.97	9.00	9.23	9.28	8.90	8.63	8.14	7.43	7.02	6.93	*$6.81*
Diff from Ont	Actual $	1.80	1.92	1.75	1.75	1.77	1.93	1.91	1.71	1.96	1.79	1.84	*$1.82*

Sources:

Operating Grants:

To 1989-90: Interprovincial Comparisons of University Financing, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.

1990-91 onwards: The year-to-year percentage changes in provincial operating grants contained in the Financial Reports of the Canadian Association of University Business Officers were used to estimate provincial operating grants for the purposes of this interprovincial comparison. See Appendix B for a more complete description and example of the methodology. The 1999-00 estimated percentage changes were obtained from the Public Accounts of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.

Personal Income:

Statistics Canada.

FIGURE 2.5

PROVINCIAL UNIVERSITY OPERATING GRANTS
PER $1000 OF TOTAL PROVINCIAL PERSONAL INCOME
PROVINCIAL COMPARISON
1988-89 TO 1999-2000

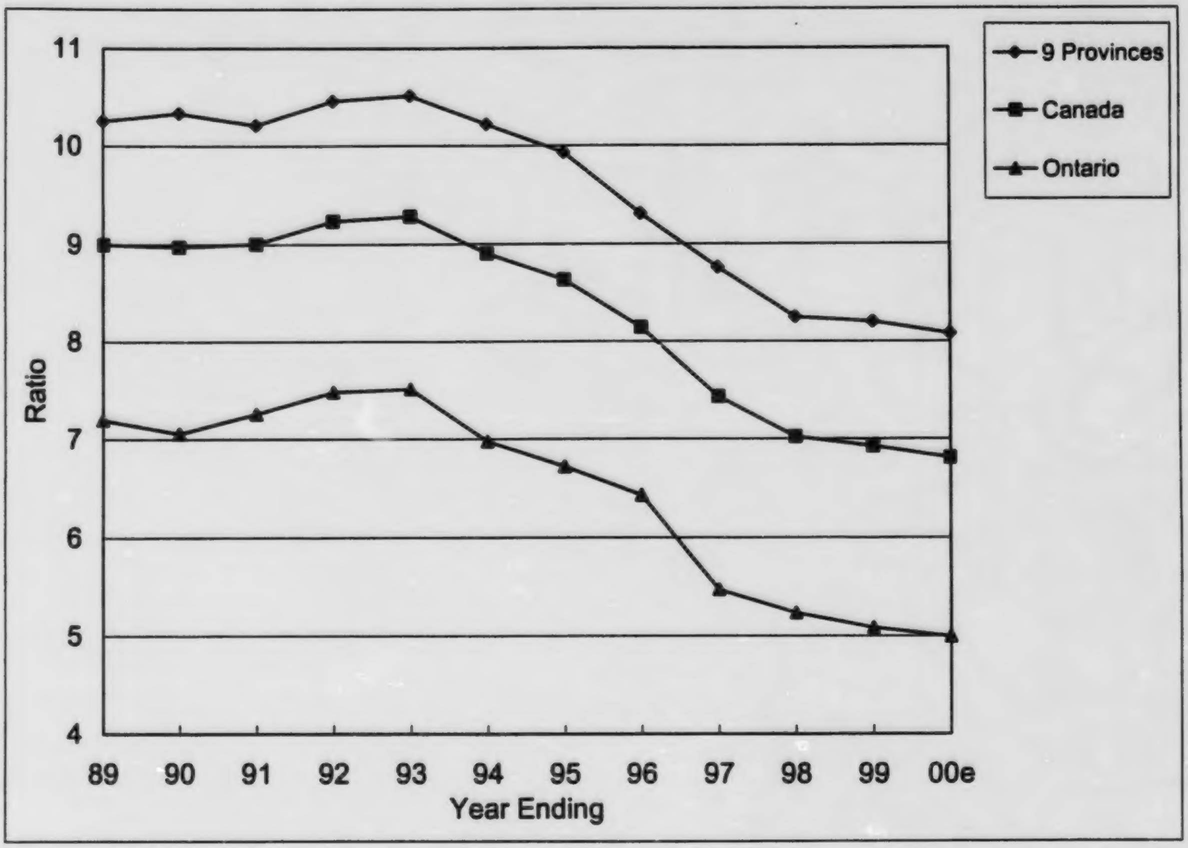


TABLE 2.6

REVENUES AND EXPENDITURES PER FTE ENROLMENT
PUBLIC UNIVERSITIES
ONTARIO AND PEER INSTITUTIONS IN SELECTED AMERICAN STATES
1998-99

Revenues

State/ Province	Tuition & Fees	State/Prov Government Funding	Federal Government Grants & Contracts	State/Prov Government Grants & Contracts	Private Gifts, Grants & Contracts	Endow-ment Income	Total
Ontario	$4,874	$6,620	$1,440	$564	$2,244	$535	$16,277
All Peers	$5,927	$9,720	$3,793	$788	$1,952	$248	$22,428
Great Lakes	$7,164	$8,987	$3,729	$625	$2,214	$210	$22,930
California	$6,239	$12,309	$6,698	$967	$3,003	$349	$29,566
Florida	$3,483	$11,836	$2,856	$1,180	$1,731	$0	$21,085
Michigan	$10,719	$10,539	$7,474	$373	$3,085	$539	$32,728
New Jersey	$5,372	$6,848	$188	$1,070	$288	$13	$13,779
New York	$5,353	$9,042	$3,165	$1,102	$1,606	$1	$20,269
North Carolina	$4,281	$12,889	$5,856	$928	$2,440	$448	$26,841
Texas	$4,551	$6,300	$883	$133	$544	$90	$12,501

Expenditures

State/ Province	Instruction & Research	Academic Support	Student Services	Institutional Support	Physical Plant	Scholarships & Fellowships	Library Acquisitions
Ontario	$10,969	$1,233	$467	$1,107	$1,247	$680	$349
All Peers	$13,034	$2,213	$1,045	$1,877	$1,626	$1,461	$269
Great Lakes	$12,991	$2,284	$1,240	$1,938	$1,838	$1,599	$237
California	$19,374	$4,088	$1,764	$2,228	$1,631	$2,088	$280
Florida	$13,007	$2,192	$968	$1,959	$1,346	$1,219	$316
Michigan	$19,267	$2,916	$1,168	$2,212	$2,580	$2,665	$332
New Jersey	$6,030	$876	$1,396	$2,269	$1,636	$1,057	$138
New York	$10,632	$1,419	$1,104	$2,365	$1,981	$1,050	$224
North Carolina	$16,607	$1,904	$622	$1,985	$2,101	$1,124	$371
Texas	$6,161	$1,122	$602	$1,306	$1,042	$700	$151

The American states selected are the 8 Great Lakes states plus 4 other states with a large population.
Ontario FTE enrolment is based on eligible-for-funding plus ineligible-for-funding students.
US dollars are converted into Canadian dollars by multiplying by OECD Purchasing Power Parity
PPP for 1998 is 1.17. Source: http://www.oecd.org/std/ppp1.pdf
For methodology in determining peers, please see COU document
"Comparing Ontario and American Public Universities" at:
http://www.cou.on.ca/publications/briefs_reports/Ontario%20vs%20US%20peers.PDF

USA - Integrated Postsecondary Education Data System, National Center for Education Statistics,
US Department of Education.
Ontario - COFO-UO, Financial Report of Ontario Universities.

TABLE 2.7

PERCENT CHANGE IN PROVINCIAL AND STATE FUNDING FOR OPERATING EXPENSES OF POST-SECONDARY EDUCATION CANADIAN PROVINCES AND AMERICAN STATES 1995-96 TO 2000-01

		5-Year Change 95-96 to 00-01		4-Year Change 96-97 to 00-01		3-Year Change 97-98 to 00-01		2-Year Change 98-99 to 00-01		1-Year Change 99-00 to 00-01	
Country	Province\State	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank
Canada	Ontario	-2.9%	(59)	12.0%	(50)	11.9%	(46)	9.7%	(37)	6.7%	(23)
	Other 9 Provinces										
	Newfoundland	1.2%	(57)	5.5%	(56)	8.9%	(54)	11.9%	(25)	4.5%	(35)
	P.E.I.	4.3%	(54)	1.9%	(58)	8.8%	(55)	8.2%	(46)	8.2%	(13)
	Nova Scotia	4.1%	(55)	11.4%	(51)	11.8%	(47)	6.6%	(55)	2.1%	(50)
	New Brunswick	2.9%	(56)	2.3%	(57)	3.3%	(59)	4.3%	(59)	2.0%	(52)
	Quebec	0.3%	(58)	7.5%	(55)	15.0%	(35)	9.1%	(39)	8.0%	(14)
	Manitoba	11.9%	(51)	8.4%	(54)	9.8%	(53)	5.9%	(56)	3.8%	(39)
	Saskatchewan	15.2%	(47)	12.4%	(49)	14.8%	(36)	9.2%	(38)	4.0%	(38)
	Alberta	13.5%	(50)	14.3%	(44)	10.2%	(51)	8.1%	(47)	6.0%	(25)
	British Columbia	9.3%	(53)	10.1%	(53)	8.8%	(56)	7.9%	(48)	5.2%	(31)
	9-Province Total	5.4%		9.1%		11.9%		8.3%		6.0%	
	All 10 Provinces	2.4%		10.1%		11.9%		8.8%		6.2%	
USA	11 Selected States										
	California	75.5%	(1)	55.8%	(1)	42.6%	(1)	25.4%	(1)	17.4%	(1)
	Florida	54.5%	(3)	40.3%	(4)	23.8%	(7)	13.1%	(18)	1.6%	(54)
	Illinois	35.6%	(14)	27.3%	(15)	20.1%	(20)	11.8%	(29)	5.7%	(28)
	Indiana	31.3%	(22)	24.3%	(26)	17.5%	(28)	11.8%	(28)	4.6%	(33)
	Michigan	33.1%	(19)	27.0%	(17)	22.1%	(11)	18.5%	(6)	7.6%	(18)
	Minnesota	26.4%	(32)	23.6%	(28)	14.3%	(38)	8.9%	(43)	3.3%	(43)
	New York	21.9%	(38)	22.8%	(33)	21.1%	(14)	13.1%	(19)	10.4%	(4)
	Ohio	32.4%	(20)	24.6%	(24)	18.4%	(26)	13.9%	(13)	7.1%	(20)
	Pennsylvania	22.4%	(37)	21.6%	(34)	16.9%	(30)	13.1%	(17)	6.7%	(24)
	Texas	23.9%	(34)	26.3%	(21)	13.2%	(44)	14.2%	(12)	-1.6%	(59)
	Wisconsin	20.4%	(41)	21.0%	(35)	16.8%	(32)	12.5%	(22)	8.8%	(10)
	11-State Total	40.1%		33.4%		24.4%		16.5%		8.2%	
	Other 39 States										
	Alabama	21.1%	(40)	19.8%	(38)	18.7%	(25)	11.7%	(31)	5.9%	(26)
	Alaska	9.8%	(52)	10.8%	(52)	13.0%	(45)	11.8%	(27)	8.0%	(16)
	Arizona	28.0%	(30)	26.3%	(20)	13.3%	(43)	6.7%	(53)	3.1%	(44)
	Arkansas	33.6%	(18)	27.0%	(18)	19.6%	(22)	11.0%	(33)	2.1%	(51)
	Colorado	28.2%	(28)	20.1%	(36)	14.0%	(40)	9.0%	(42)	3.4%	(42)
	Connecticut	34.5%	(15)	31.0%	(11)	22.1%	(12)	13.4%	(14)	1.6%	(53)
	Delaware	29.9%	(24)	25.2%	(23)	19.8%	(21)	13.2%	(15)	5.8%	(27)
	Georgia	31.7%	(21)	22.9%	(32)	15.6%	(34)	4.6%	(58)	2.6%	(47)
	Hawaii	-5.4%	(60)	-3.4%	(60)	-3.6%	(60)	5.2%	(57)	-0.9%	(57)
	Idaho	28.2%	(27)	23.5%	(30)	20.1%	(18)	11.9%	(26)	6.8%	(22)
	Iowa	26.3%	(33)	19.6%	(39)	13.7%	(42)	8.4%	(45)	3.0%	(45)

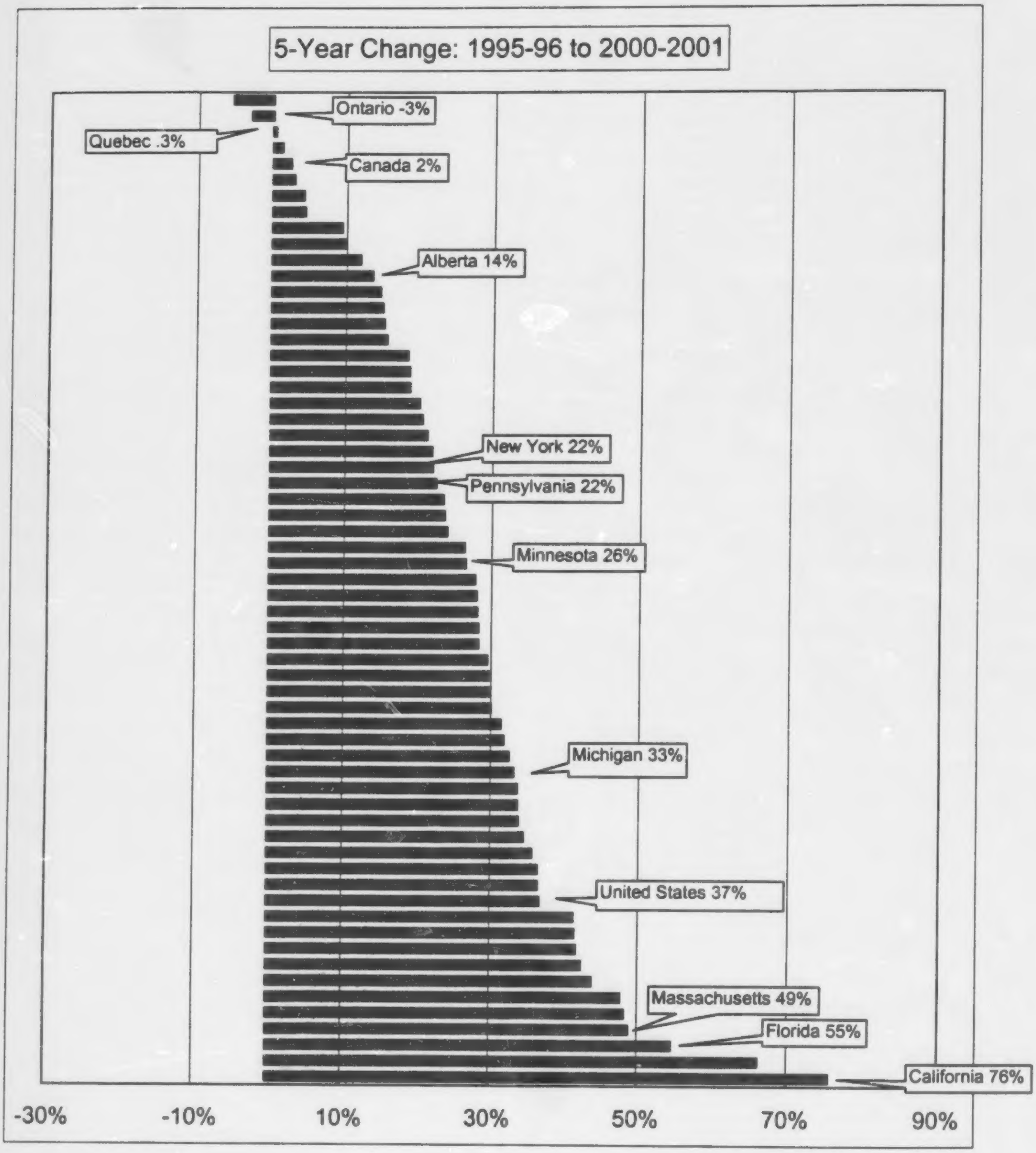
Country	Province\State	5-Year Change 95-96 to 00-01		4-Year Change 96-97 to 00-01		3-Year Change 97-98 to 00-01		2-Year Change 98-99 to 00-01		1-Year Change 99-00 to 00-01	
		%	Rank	%	Rank	%	Rank	%	Rank	%	Rank
	Kansas	29.7%	(25)	27.1%	(16)	20.1%	(19)	12.5%	(21)	9.3%	(9)
	Kentucky	47.6%	(6)	41.6%	(3)	30.4%	(4)	12.7%	(20)	8.4%	(11)
	Louisiana	48.2%	(5)	36.3%	(8)	14.3%	(37)	2.1%	(60)	-0.6%	(56)
	Maine	27.8%	(31)	25.5%	(22)	23.0%	(8)	12.1%	(23)	7.2%	(19)
	Maryland	43.8%	(7)	38.5%	(7)	33.9%	(3)	24.6%	(3)	12.7%	(2)
	Massachusetts	48.8%	(4)	38.7%	(6)	24.7%	(6)	17.1%	(7)	9.4%	(8)
	Mississippi	33.8%	(16)	31.9%	(10)	21.1%	(13)	11.7%	(32)	-3.8%	(60)
	Missouri	42.3%	(8)	29.6%	(13)	22.2%	(10)	11.7%	(30)	5.1%	(32)
	Montana	15.5%	(46)	12.7%	(48)	11.4%	(49)	9.1%	(40)	2.3%	(49)
	Nebraska	36.4%	(12)	30.9%	(12)	26.7%	(5)	19.5%	(5)	11.0%	(3)
	Nevada	41.3%	(11)	32.9%	(9)	8.5%	(57)	9.0%	(41)	3.5%	(40)
	New Hampshire	18.6%	(44)	18.9%	(40)	11.1%	(50)	7.5%	(50)	2.4%	(48)
	New Jersey	23.6%	(35)	24.3%	(25)	20.4%	(15)	14.9%	(9)	10.0%	(6)
	New Mexico	21.8%	(39)	16.6%	(42)	16.9%	(31)	9.9%	(36)	4.4%	(36)
	North Carolina	36.4%	(13)	29.5%	(14)	19.5%	(23)	10.5%	(34)	4.6%	(34)
	North Dakota	20.0%	(42)	20.0%	(37)	6.7%	(58)	6.7%	(54)	-1.5%	(58)
	Oklahoma	41.6%	(9)	26.4%	(19)	17.1%	(29)	7.5%	(49)	5.4%	(30)
	Oregon	41.4%	(10)	38.8%	(5)	20.2%	(17)	19.9%	(4)	2.6%	(46)
	Rhode Island	28.1%	(29)	23.0%	(31)	22.9%	(9)	14.7%	(10)	8.0%	(15)
	South Carolina	29.4%	(26)	-2.9%	(59)	18.2%	(27)	13.2%	(16)	8.3%	(12)
	South Dakota	14.6%	(49)	14.8%	(43)	11.7%	(48)	7.1%	(51)	3.4%	(41)
	Tennessee	14.9%	(48)	13.1%	(47)	14.2%	(39)	8.5%	(44)	5.5%	(29)
	Utah	30.0%	(23)	18.8%	(41)	15.7%	(33)	12.0%	(24)	-0.6%	(55)
	Vermont	23.4%	(36)	23.5%	(29)	18.9%	(24)	14.5%	(11)	6.9%	(21)
	Virginia	66.1%	(2)	52.1%	(2)	41.4%	(2)	25.4%	(2)	10.1%	(5)
	Washington	33.6%	(17)	24.1%	(27)	20.4%	(16)	16.4%	(8)	7.7%	(17)
	West Virginia	18.4%	(45)	13.2%	(46)	9.8%	(52)	6.9%	(52)	4.0%	(37)
	Wyoming	18.7%	(43)	13.7%	(45)	13.7%	(41)	9.9%	(35)	9.9%	(7)
	39-State Total	33.0%		26.0%		19.9%		12.2%		5.4%	
	All 50 States	36.7%		29.8%		22.2%		14.5%		6.9%	

Notes: Canada Data is based on funding for universities only.
British Columbia data excludes 3 university colleges that were added to the CAUBO dataset in 1997-98, creating a significant discontinuity in the time series.
USA Data is based on funding for universities, community colleges, and student support.
"11 Selected States" are the 8 Great Lakes states plus the 3 other largest population states. These states collectively have more than half the population of the United States.

Sources: Canada 1994-95 to 1997-98: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges, various years.
1998-99 to 1999-00: Based on percentage changes reported by AUCC in Aug/Sep 1999 issue of "University Affairs," except for Ontario which is based on percentage changes as calculated from Ontario Public Accounts and Ontario Expenditure Estimates.
USA State Higher Education Executive Officers, State Higher Education Appropriations, and Financing Higher Education. Grapevine, A National Database of Tax Support for Higher Education, Center for Higher Education & Educational Finance.

FIGURE 2.7

PERCENT CHANGE IN PROVINCIAL AND STATE FUNDING
FOR OPERATING EXPENSES OF POST-SECONDARY EDUCATION
CANADIAN PROVINCES AND AMERICAN STATES
1995-96 TO 2000-01



Section 3

Comparisons with Other Sectors

TABLE 3.1

OPERATING EXPENDITURES PER CLIENT
UNIVERSITIES AND FOUR OTHER PUBLIC SECTORS
ONTARIO
1987-88 TO 1998-99

	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Hospitals												
Actual $	$397	$435	$484	$548	$628	$684	$697	$682	$774	$823	$886	$904
Constant $	$523	$551	$582	$628	$692	$741	$745	$725	$806	$842	$895	$904
Index	100.0	105.3	111.3	119.9	132.3	141.6	142.3	138.6	154.1	160.9	171.1	172.9
Community Colleges												
Actual $	$6,493	$6,958	$7,265	$7,430	$7,110	$7,290	$6,858	$6,910	$6,872	$6,531	$6,770	$7,149
Constant $	$8,568	$8,819	$8,741	$8,507	$7,829	$7,890	$7,328	$7,341	$7,154	$6,678	$6,839	$7,149
Index	100.0	102.9	102.0	99.3	91.4	92.1	85.5	85.7	83.5	77.9	79.8	83.4
Adult Offenders												
Actual $	$115	$109	$105	$119	$121	$124	$128	$121	$116	$123	$127	$128
Constant $	$152	$138	$127	$136	$133	$135	$137	$129	$121	$126	$128	$128
Index	100.0	91.0	83.4	89.5	87.8	88.6	90.4	84.6	79.8	83.0	84.3	84.3
Universities												
Actual $	$8,467	$8,699	$9,192	$9,772	$10,228	$10,400	$10,294	$10,505	$10,707	$10,606	$10,854	$11,726
Constant $	$11,174	$11,025	$11,059	$11,189	$11,261	$11,257	$11,000	$11,160	$11,146	$10,844	$10,964	$11,726
Index	100.0	98.7	99.0	100.1	100.8	100.7	98.4	99.9	99.8	97.1	98.1	104.9

Notes:	Elem/Sec Schools	Total school costs per pupil
	Hospitals	Total operating expenses per patient-day.
	Community Colleges	Operating revenue per provincially funded FTE student
	Adult Offenders	Expenditures per inmate-day
	Universities	Operating expenses per FTE student

Indices are based on constant 1998-99 dollars

Sources:	Elem/Sec Schools	Ministry of Education
	Hospitals	Statistics Canada, Canadian Institute for Health Information, Ontario Hospitals Association
	Community Colleges	Ministry of Training, Colleges and Universities
	Adult Offenders	Ministry of Correctional Services
	Universities	COFO-UO, Financial Report of Ontario Universities

FIGURE 3.1

OPERATING EXPENDITURES PER CLIENT
UNIVERSITIES AND FOUR OTHER PUBLIC SECTORS
ONTARIO
1987-88 TO 1998-99

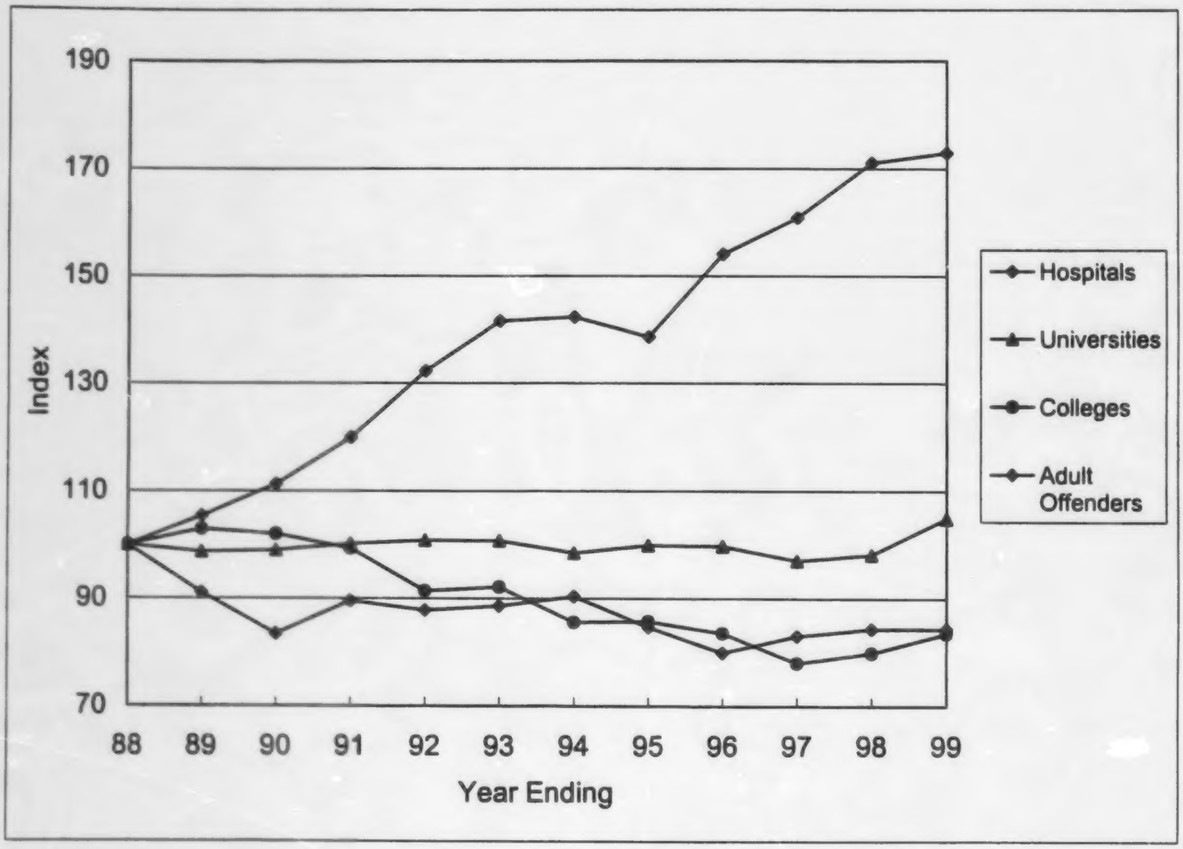


TABLE 3.2

OPERATING EXPENDITURES PER CLIENT
HOSPITALS, SCHOOLS AND UNIVERSITIES
PROVINCIAL COMPARISON
1997-98

	Hospitals Per Patient-Day			Schools Per Student			Universities Per Student		
	$	Index	Rank	$	Index	Rank	$	Index	Rank
Newfoundland	634.34	90.7	(7)	$5,337	86.7	(8)	$11,510	105.3	(3)
P.E.I.	711.91	101.8	(4)	$4,843	78.7	(10)	$13,149	120.3	(1)
Nova Scotia	938.75	134.3	(1)	$5,133	83.4	(9)	$9,814	89.8	(10)
New Brunswick	703.95	100.7	(5)	$5,902	95.9	(6)	$10,127	92.6	(9)
Quebec	535.02	76.5	(9)	$7,000	113.8	(3)	$10,764	98.5	(5)
Ontario	886.04	126.7	(2)	$7,236	117.6	(1)	$10,193	93.2	(8)
Manitoba	699.27	100.0	(6)	$6,923	112.5	(4)	$11,565	105.8	(2)
Saskatchewan	521.75	74.6	(10)	$5,871	95.4	(7)	$10,550	96.5	(6)
Alberta	747.92	107.0	(3)	$6,236	101.3	(5)	$10,426	95.4	(7)
British Columbia	611.56	87.5	(8)	$7,054	114.6	(2)	$11,222	102.7	(4)
10 Provinces	$699.05	100.0		$6,153	100.0		$10,932	100.0	

Notes: 1997-98 is the most recent year for which all three indicators are available. (Schools data is for 1997).
"10 Provinces" row is not weighted by number of clients in each province.
Index columns are relative to 10 Provinces = 100.0.
Total University Operating Expenditures per Student: This is an estimate calculated according to the methodology outlined in Appendix C. It is similar to the methodology used for the interprovincial comparisons in Tables 2.3 to 2.5 of the Resource Document.

Sources:
Hospitals Canadian Institute for Health Information (CIHI).
Schools Statistics Canada, 81-229, Education in Canada, 2000.
Universities Interprovincial Comparisons of University Funding, Tripartite (MET, COU, OCUA) Committee on Interprovincial Comparisons, April 1992. Last Tripartite report.
Total Operating Expenses: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.
Enrolment: Statistics Canada.

FIGURE 3.2

OPERATING EXPENDITURES PER CLIENT
HOSPITALS, SCHOOLS AND UNIVERSITIES
PROVINCIAL COMPARISON
1997-98

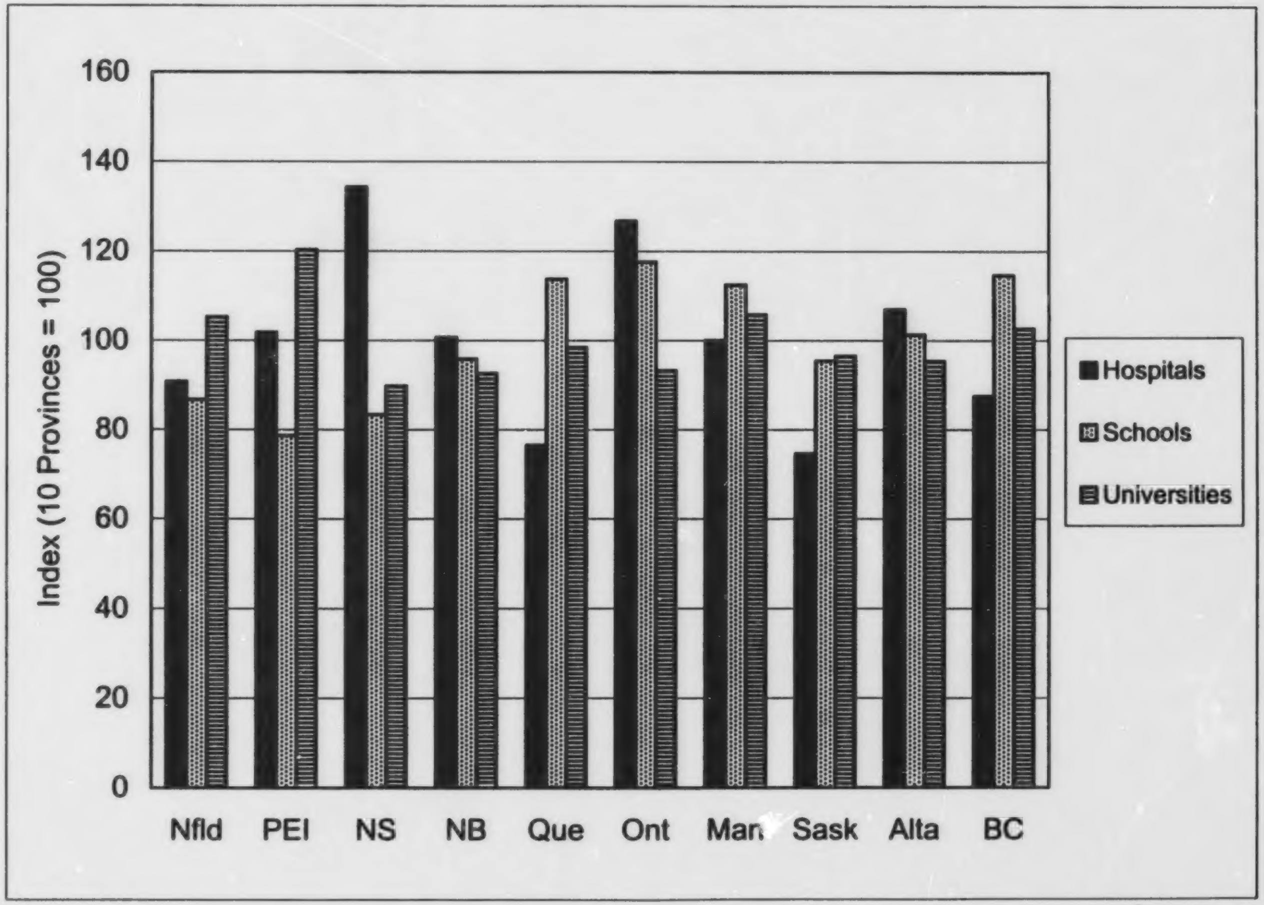


TABLE 3.3

SOCIAL WELFARE BENEFITS
PROVINCIAL COMPARISON
1999

	Single Employable		Disabled Person		Single Parent One Child		Couple Two Children	
	$	Rank	$	Rank	$	Rank	$	Rank
Newfoundland	$1,341	(10)	$8,717	(5)	$13,924	(1)	$16,317	(8)
P.E.I.	$5,515	(6)	$8,442	(6)	$11,670	(10)	$17,799	(4)
Nova Scotia	$4,573	(8)	$8,809	(4)	$12,558	(7)	$16,633	(7)
New Brunswick	$3,367	(9)	$6,899	(10)	$12,319	(8)	$15,170	(10)
Quebec	$6,223	(3)	$8,951	(3)	$12,957	(6)	$16,020	(9)
Manitoba	$5,551	(5)	$8,257	(8)	$13,328	(5)	$16,705	(6)
Saskatchewan	$5,739	(4)	$8,385	(7)	$11,877	(9)	$17,590	(5)
Alberta	$5,023	(7)	$7,061	(9)	$13,375	(4)	$17,919	(2)
British Columbia	$6,330	(2)	$9,593	(2)	$13,661	(3)	$17,830	(3)
9 Provinces	$4,851		$8,346		$12,852		$16,887	
Difference from Ont	$1,971		$3,413		$852		$1,243	
Ontario	$6,822	(1)	$11,759	(1)	$13,704	(2)	$18,130	(1)
Canada	$5,048		$8,687		$12,937		$17,011	
Difference from Ont	$1,774		$3,072		$767		$1,119	

Note: "9 Provinces" and "Canada" rows are not weighted by size of provinces.
Benefits include: Basic Social Assistance, Additional Benefits, Federal Child Tax Credit, Provincial Child Benefits, Federal GST Credit and Provincial Tax Credits.

Source: Table 5, Welfare Incomes 1999, A Report by the National Council of Welfare.
http://www.ncwcnbes.net/htmdocument/reportwelinc99/repwelincome.htm

Section 4

Research

TABLE 4.1

SPONSORED RESEARCH EXPENSES
COMPARED TO UNIVERSITY OPERATING EXPENSES
ONTARIO UNIVERSITIES
1987-1988 TO 1999-00

	Sponsored Research Expenses ($000s)			University Operating Expenses ($000s)		
	Actual Dollars	Constant 1999-00 $	Index of Constant $	Actual Dollars	Constant 1999-00 $	Index of Constant $
1987-88	$394,844	$532,514	100.0	$1,824,714	$2,460,934	100.0
1988-89	$458,978	$594,537	111.6	$1,952,997	$2,529,812	102.8
1989-90	$488,805	$601,025	112.9	$2,128,359	$2,616,989	106.3
1990-91	$550,363	$644,017	120.9	$2,348,260	$2,747,859	111.7
1991-92	$580,336	$653,025	122.6	$2,557,505	$2,877,839	116.9
1992-93	$610,424	$675,285	126.8	$2,650,614	$2,932,258	119.2
1993-94	$717,188	$783,282	147.1	$2,603,626	$2,843,568	115.5
1994-95	$722,901	$784,904	147.4	$2,632,182	$2,857,944	116.1
1995-96	$716,124	$761,950	143.1	$2,642,506	$2,811,606	114.2
1996-97	$750,045	$783,818	147.2	$2,575,425	$2,691,392	109.4
1997-98	$802,599	$828,633	155.6	$2,627,474	$2,712,703	110.2
1998-99	$836,779	$855,203	160.6	$2,844,460	$2,907,090	118.1
1999-00	$951,527	$951,527	178.7	$3,111,188	$3,111,188	126.4

Note: Affiliated and federated colleges excluded.

Source: COFO-UO, Financial Report of Ontario Universities.

FIGURE 4.1

SPONSORED RESEARCH EXPENSES
COMPARED TO UNIVERSITY OPERATING EXPENSES
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

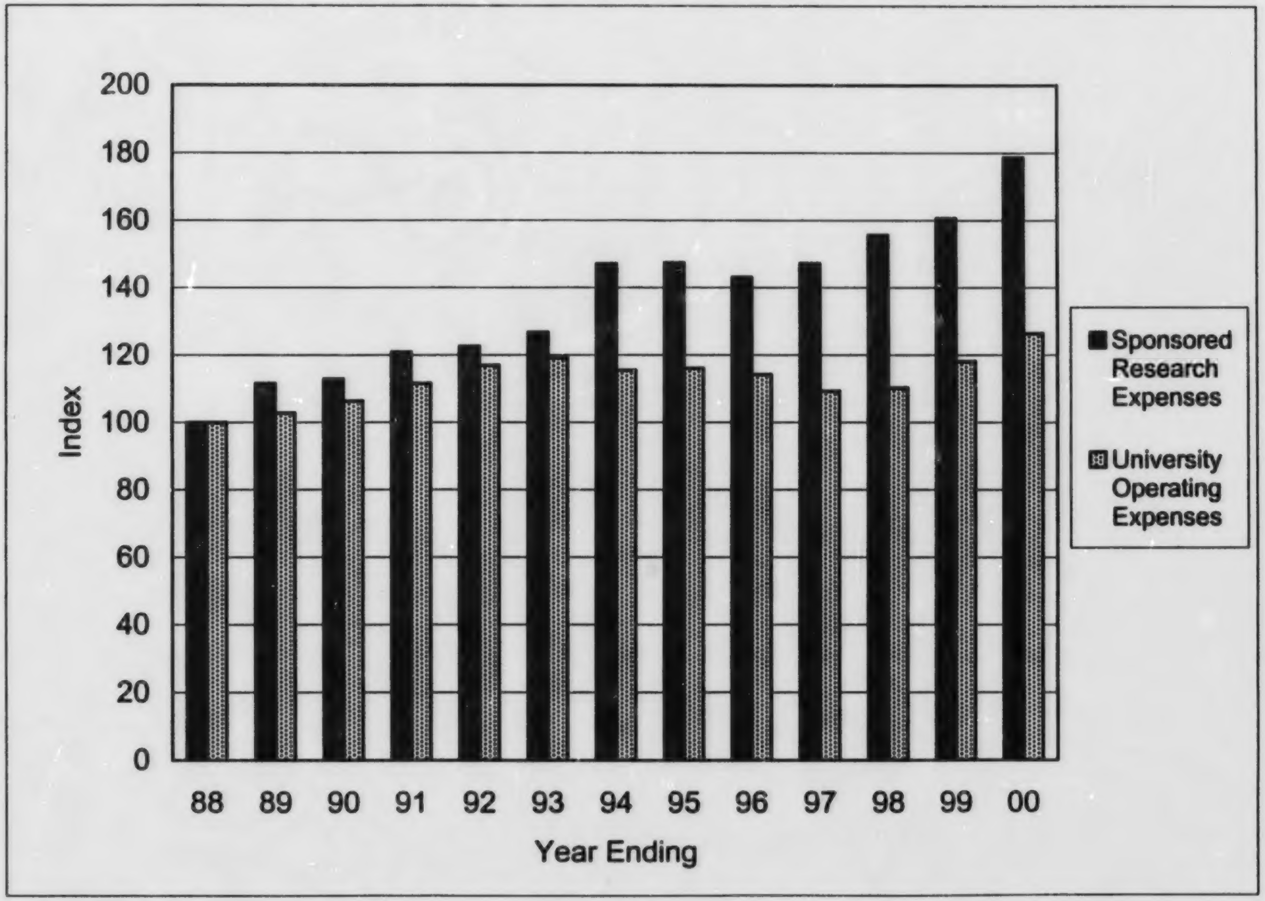


TABLE 4.2

PEER-ADJUDICATED SPONSORED RESEARCH GRANTS (PASRG)
SSHRC + NSERC + MRC
COMPARED TO ONTARIO RESEARCH OVERHEAD/INFRASTRUCTURE ENVELOPE (ROIE)
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

$000s

	NSERC+SSHRC+MRC Peer-Adjudicated Sponsored Research Grants (PASRG) To Ontario Universities		Ontario Government Research Overhead/ Infrastructure Envelope (ROIE)	ROIE as a Share of PASRG (3-Year Avg, Slipped 2 Years)
	Single-Year Actual Data	Three-Year Average, Slipped Two Years		
1987-88	$147,094	$124,191	$25,000	20.1%
1988-89	$157,694	$132,706	$26,125	19.7%
1989-90	$173,675	$139,691	$27,170	19.5%
1990-91	$175,003	$147,633	$28,447	19.3%
1991-92	$176,281	$159,488	$30,296	19.0%
1992-93	$182,303	$168,791	$30,569	18.1%
1993-94	$187,351	$174,986	$28,337	16.2%
1994-95	$187,354	$177,863	$27,839	15.7%
1995-96	$182,687	$181,979	$27,477	15.1%
1996-97	$178,853	$185,670	$22,990	12.4%
1997-98	$178,103	$185,798	$27,477	14.8%
1998-99	$195,565	$182,965	$27,477	15.0%
1999-00	$216,040	$179,881	$27,752	15.4%
2000-01		$184,174	$27,752	15.1%

Notes: The NSERC+SSHRC+MRC three-year average is slipped two years. For example, the 2000-01 average is based on 1997-98, 1998-99 and 1999-00 data. This methodology is used by MTCU to determine the share of ROIE that each Ontario university receives. The ROIE began in 1987-88.

Source: Ministry of Training, Colleges and Universities.

FIGURE 4.2

PEER-ADJUDICATED SPONSORED RESEARCH GRANTS (PASRG)
SSHRC + NSERC + MRC
COMPARED TO ONTARIO RESEARCH OVERHEAD/INFRASTRUCTURE ENVELOPE (ROIE)
ONTARIO UNIVERSITIES
1987-88 TO 2000-01

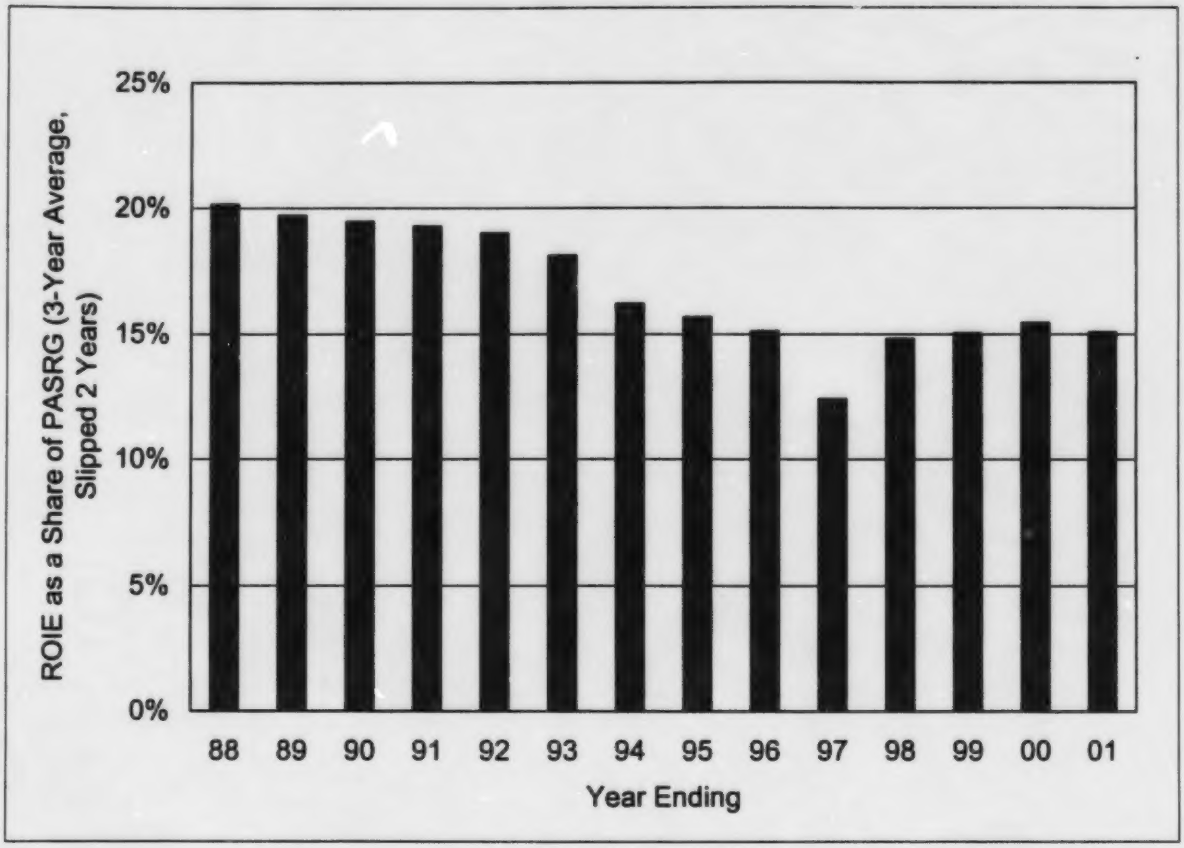


TABLE 4.3

SPONSORED RESEARCH FUNDING TO UNIVERSITIES
SSHRC + NSERC + MRC
PROVINCIAL COMPARISON
1987-88 TO 1998-99

	Nfld	PEI	NS	NB	Que	Man	Sask	Alta	BC	9 Provs	Ontario	Canada
Funding ($000s)												
1987-88	$7,968	$287	$16,023	$6,417	$112,529	$17,883	$14,597	$42,682	$54,063	$272,449	$173,481	$445,930
1988-89	$9,212	$376	$17,645	$6,872	$126,894	$20,301	$17,001	$44,882	$55,896	$299,079	$191,860	$490,939
1989-90	$8,945	$443	$17,613	$6,181	$140,304	$21,486	$15,778	$51,725	$59,857	$322,332	$204,452	$526,784
1990-91	$11,766	$456	$25,512	$6,778	$172,828	$22,154	$19,250	$59,810	$86,184	$404,738	$215,391	$620,129
1991-92	$11,247	$632	$25,736	$7,429	$183,197	$22,439	$19,882	$61,427	$90,767	$422,756	$223,708	$646,464
1992-93	$10,275	$673	$22,808	$7,141	$179,128	$22,680	$18,796	$63,514	$92,406	$417,421	$233,064	$650,485
1993-94	$9,837	$641	$21,146	$6,327	$190,387	$21,625	$18,842	$62,518	$88,560	$419,883	$252,116	$671,999
1994-95	$8,328	$556	$23,099	$7,130	$196,035	$22,837	$19,714	$68,841	$96,555	$443,095	$250,355	$693,450
1995-96	$8,141	$445	$18,313	$7,105	$189,409	$20,053	$16,943	$63,477	$84,154	$408,040	$248,302	$656,342
1996-97	$8,342	$598	$18,609	$6,907	$183,868	$18,019	$18,582	$64,403	$76,139	$395,467	$239,828	$635,295
1997-98	$7,457	$611	$18,929	$6,397	$165,991	$19,977	$13,015	$72,716	$76,224	$381,317	$225,754	$607,071
1998-99	$9,118	$951	$19,334	$7,387	$213,255	$20,281	$16,012	$74,906	$86,485	$447,729	$263,748	$711,477
Provincial Share of National Total												
1987-88	1.8%	0.1%	3.6%	1.4%	25.2%	4.0%	3.3%	9.6%	12.1%	61.1%	38.9%	100.0%
1988-89	1.9%	0.1%	3.6%	1.4%	25.8%	4.1%	3.5%	9.1%	11.4%	60.9%	39.1%	100.0%
1989-90	1.7%	0.1%	3.3%	1.2%	26.6%	4.1%	3.0%	9.8%	11.4%	61.2%	38.8%	100.0%
1990-91	1.9%	0.1%	4.1%	1.1%	27.9%	3.6%	3.1%	9.6%	13.9%	65.3%	34.7%	100.0%
1991-92	1.7%	0.1%	4.0%	1.1%	28.3%	3.5%	3.1%	9.5%	14.0%	65.4%	34.6%	100.0%
1992-93	1.6%	0.1%	3.5%	1.1%	27.5%	3.5%	2.9%	9.8%	14.2%	64.2%	35.8%	100.0%
1993-94	1.5%	0.1%	3.1%	0.9%	28.3%	3.2%	2.8%	9.3%	13.2%	62.5%	37.5%	100.0%
1994-95	1.2%	0.1%	3.3%	1.0%	28.3%	3.3%	2.8%	9.9%	13.9%	63.9%	36.1%	100.0%
1995-96	1.2%	0.1%	2.8%	1.1%	28.9%	3.1%	2.6%	9.7%	12.8%	62.2%	37.8%	100.0%
1996-97	1.3%	0.1%	2.9%	1.1%	28.9%	2.8%	2.9%	10.1%	12.0%	62.2%	37.8%	100.0%
1997-98	1.2%	0.1%	3.1%	1.1%	27.3%	3.3%	2.1%	12.0%	12.6%	62.8%	37.2%	100.0%
1998-99	1.3%	0.1%	2.7%	1.0%	30.0%	2.9%	2.3%	10.5%	12.2%	62.9%	37.1%	100.0%

Note: This table reflects both peer-adjudicated and non-peer-adjudicated awards. Table 4.2 is peer-adjudicated awards only.

Source: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges. Income from Sponsored Research.

FIGURE 4.3

SPONSORED RESEARCH FUNDING TO UNIVERSITIES
SSHRC + NSERC + MRC
PROVINCIAL COMPARISON
1987-88 TO 1998-99

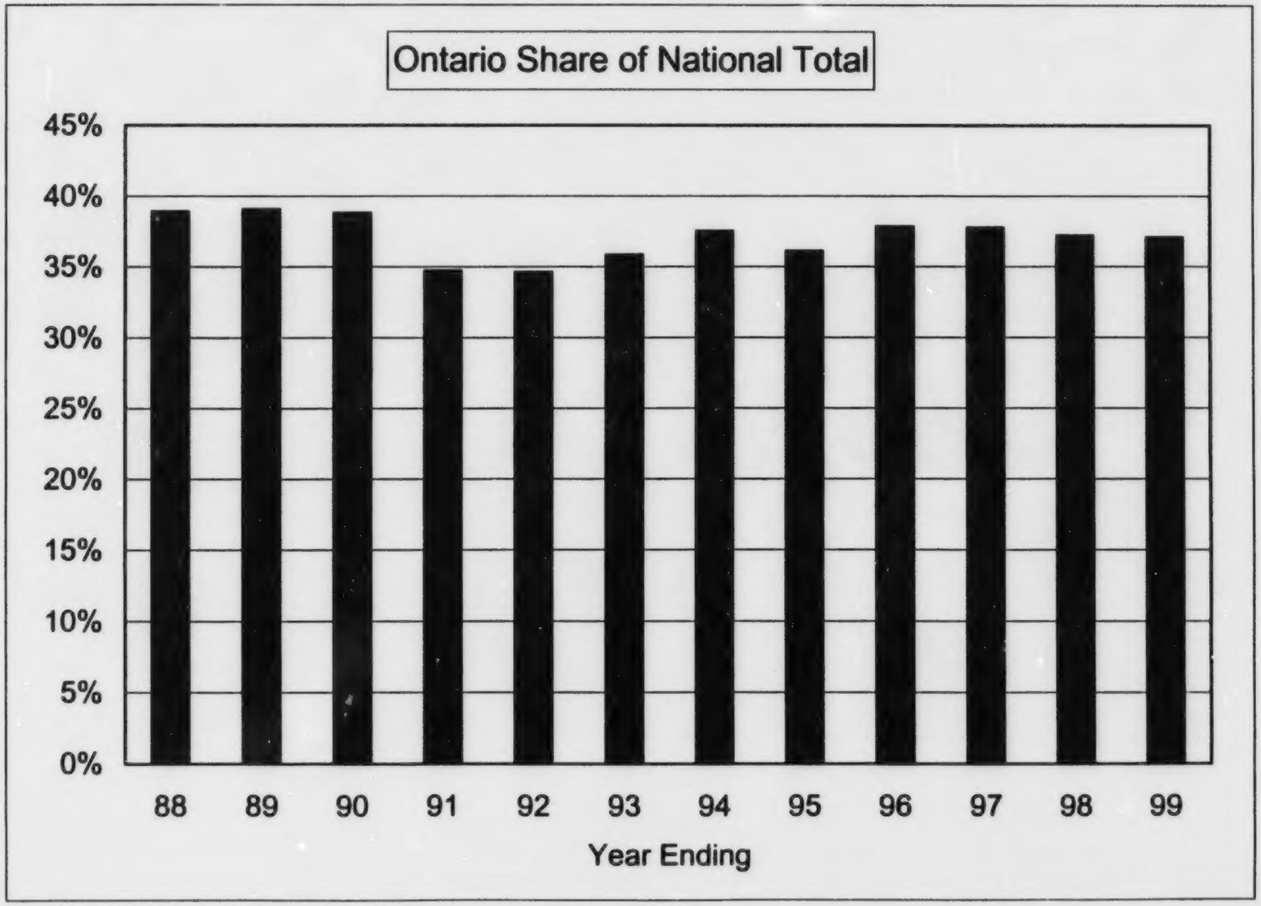


TABLE 4.4

GROSS EXPENDITURE ON RESEARCH AND DEVELOPMENT (GERD) ONTARIO AND THE GROUP OF SEVEN INDUSTRIALIZED NATIONS

1998

	GERD per Capita		GERD as a Percentage of GDP		Percentage of GERD Performed by Higher Education Sector		GERD Performed by Higher Education Sector as Percentage of GDP	
	PPP $	Rank	%	Rank	%	Rank	%	Rank
Ontario	$542.64	(3)	1.94%	(5)	23.73%	(2)	0.46%	(1)
Canada	$380.20	(7)	1.64%	(7)	23.60%	(3)	0.39%	(5)
France	$457.70	(5)	2.18%	(4)	17.10%	(6)	0.37%	(6)
Germany	$510.60	(4)	2.29%	(3)	17.60%	(5)	0.40%	(3)
Italy	$230.60	(8)	1.02%	(8)	25.00%	(1)	0.26%	(8)
Japan	$715.00	(2)	3.06%	(1)	14.80%	(7)	0.45%	(2)
UK	$383.00	(6)	1.83%	(6)	19.60%	(4)	0.36%	(7)
USA	$794.40	(1)	2.74%	(2)	14.40%	(8)	0.39%	(4)

Notes: PPP $ are Purchasing Power Parity dollars as defined and calculated by OECD.
For 1998, Canada PPP $ index was 1.17 compared to US base of 1.00.

Sources: Ontario: Statistics Canada, Estimates of Canadian Research and Development Expenditures, ST-99-08.
Nations: OECD, Main Science and Technology Indicators, Volume 2000:1.

Section 5

Tuition Fees

TABLE 5.1

MAXIMUM CHARGEABLE TUITION FEES
BACHELOR OF ARTS PROGRAM
ONTARIO UNIVERSITIES
COMPARED TO AVERAGE PERSONAL AND FAMILY INCOME
1989-90 TO 1999-00

	Formula Fee Rate Increase	Formula Fee Rate for Arts	Maximum Discretionary Component (MDC)	Maximum Tuition Fee (MTF)	Average Personal Income (API)	MTF / API %	Average Family Income (AFI)	MTF / AFI %
1989-90	7.5%	$1,343	13.00%	$1,518	$22,333	6.8%	$51,619	2.9%
1990-91	8.0%	$1,450	13.00%	$1,639	$23,114	7.1%	$55,272	3.0%
1991-92	8.0%	$1,566	13.00%	$1,770	$23,568	7.5%	$55,414	3.2%
1992-93	7.0%	$1,676	13.00%	$1,894	$23,822	8.0%	$56,933	3.3%
1993-94	7.0%	$1,793	13.00%	$2,026	$23,752	8.5%	$57,170	3.5%
1994-95	10.0%	$1,972	13.00%	$2,228	$23,856	9.3%	$56,479	3.9%
1995-96	10.0%	$2,169	13.00%	$2,451	$24,526	10.0%	$57,480	4.3%
1996-97	10.0%	$2,386	23.00%	$2,935	$24,645	11.9%	$59,367	4.9%
1997-98	0.0%	$2,386	35.30%	$3,228	$25,381	12.7%	$59,551	5.4%
1998-99	0.0%	$2,386	48.83%	$3,551	$26,235	13.5%	$62,137	5.7%
1999-00	0.0%	$2,386	62.36%	$3,874	$27,591	14.0%	$66,108	5.9%

Notes:

Fees are for full-time Canadian students.

The Maximum Discretionary Component (MDC) is expressed as a percentage of the Formula Fee Rate.

Maximum Tuition Fee (MTF) = Formula Fee Rate * (1 + MDC).

Partial deregulation of tuition fees began in 1996-97. For 1996-97 and thereafter, the MDC in this table represents the average, across ALL programs, allowed for each institution. Each institution has some flexibility to set tuition fee rates for individual programs above this MDC, as long at their institutional average, weighted by enrolment, does not exceed this MDC.

Average personal and family income are for Ontario.

Sources:	Family Income	Statistics Canada, Income Division
	Personal Income	Statistics Canada, CANSIM database, total provincial personal income Statistics Canada, 91-002, Quarterly Demographic Statistics

FIGURE 5.1

MAXIMUM CHARGEABLE TUITION FEES
BACHELOR OF ARTS PROGRAM
ONTARIO UNIVERSITIES
COMPARED TO AVERAGE PERSONAL AND FAMILY INCOME
1989-90 TO 1999-00

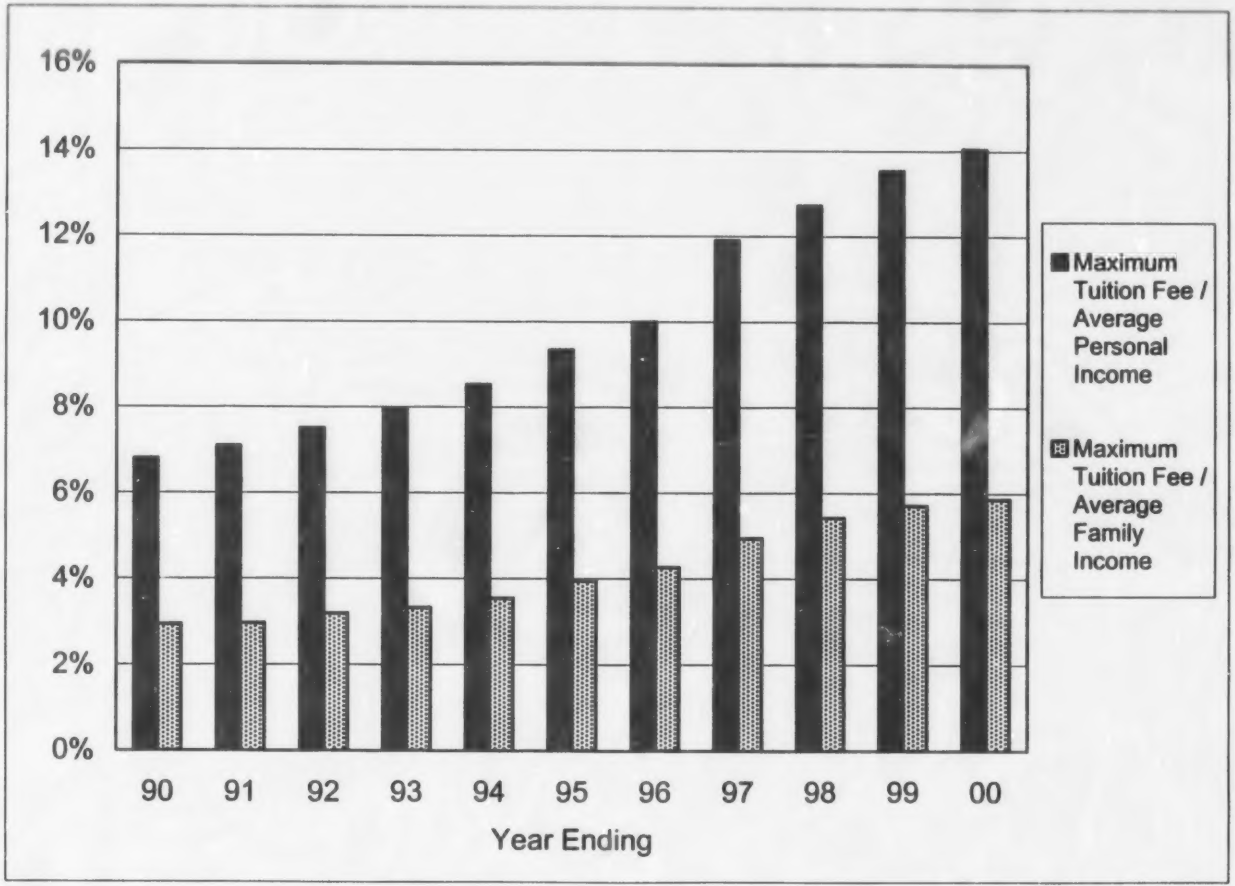


TABLE 5.2

TUITION FEES
SELECTED PROGRAMS
ONTARIO UNIVERSITIES
1989-90 TO 2000-01

	Bachelor of Arts			Bachelor of Engineering			Master of Arts		
	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
Actual Dollars									
1989-90	$1,516	$1,517	$1,520	$1,516	$1,673	$2,234			
1990-91	$1,637	$1,639	$1,640	$1,638	$1,807	$2,396			
1991-92	$1,767	$1,770	$1,770	$1,769	$1,950	$2,570			
1992-93	$1,892	$1,894	$1,895	$1,893	$2,083	$2,718			
1993-94	$2,024	$2,026	$2,027	$2,026	$2,229	$2,908			
1994-95	$2,170	$2,225	$2,228	$2,228	$2,452	$3,196			
1995-96	$2,450	$2,451	$2,452	$2,418	$2,626	$2,690			
1996-97	$2,816	$2,920	$2,986	$2,935	$3,138	$3,238	$3,408	$4,190	$4,422
1997-98	$3,135	$3,213	$3,285	$3,217	$3,455	$3,600	$3,700	$4,428	$4,863
1998-99	$3,320	$3,495	$3,554	$3,550	$3,786	$3,990	$4,070	$4,562	$5,009
1999-00	$3,510	$3,812	$3,942	$3,902	$4,262	$4,627	$3,738	$4,680	$5,304
2000-01	$3,720	$3,919	$4,020	$3,952	$4,551	$5,500	$3,921	$4,775	$5,304
Constant 2000-01 Dollars									
1989-90	$1,916	$1,917	$1,921	$1,916	$2,115	$2,823			
1990-91	$1,969	$1,971	$1,972	$1,970	$2,173	$2,882			
1991-92	$2,044	$2,047	$2,047	$2,046	$2,255	$2,972			
1992-93	$2,151	$2,153	$2,155	$2,152	$2,369	$3,090			
1993-94	$2,272	$2,274	$2,275	$2,274	$2,502	$3,264			
1994-95	$2,422	$2,483	$2,486	$2,486	$2,736	$3,567			
1995-96	$2,679	$2,681	$2,682	$2,644	$2,871	$2,942			
1996-97	$3,025	$3,136	$3,207	$3,153	$3,371	$3,478	$3,661	$4,500	$4,750
1997-98	$3,327	$3,409	$3,486	$3,414	$3,667	$3,820	$3,926	$4,699	$5,160
1998-99	$3,488	$3,672	$3,733	$3,729	$3,977	$4,191	$4,275	$4,792	$5,262
1999-00	$3,608	$3,918	$4,052	$4,011	$4,380	$4,756	$3,842	$4,811	$5,452
2000-01	$3,720	$3,919	$4,020	$3,952	$4,551	$5,500	$3,921	$4,775	$5,304

Notes: Minimum, average, and maximum tuition fees are taken across all Ontario universities that offer the program. Fees are for full-time Canadian students. Average columns are not weighted by enrolment of individual institutions. University of Waterloo BEng tuition fee includes coop fee for 1989-90 through 1994-95, and excludes coop fee for 1995-96 onwards.
2000-01 inflation rate is estimated to be 2.8%.

Sources: COU Annual Fee Survey Report.

FIGURE 5.2

TUITION FEES
SELECTED PROGRAMS
ONTARIO UNIVERSITIES
1989-90 TO 2000-01

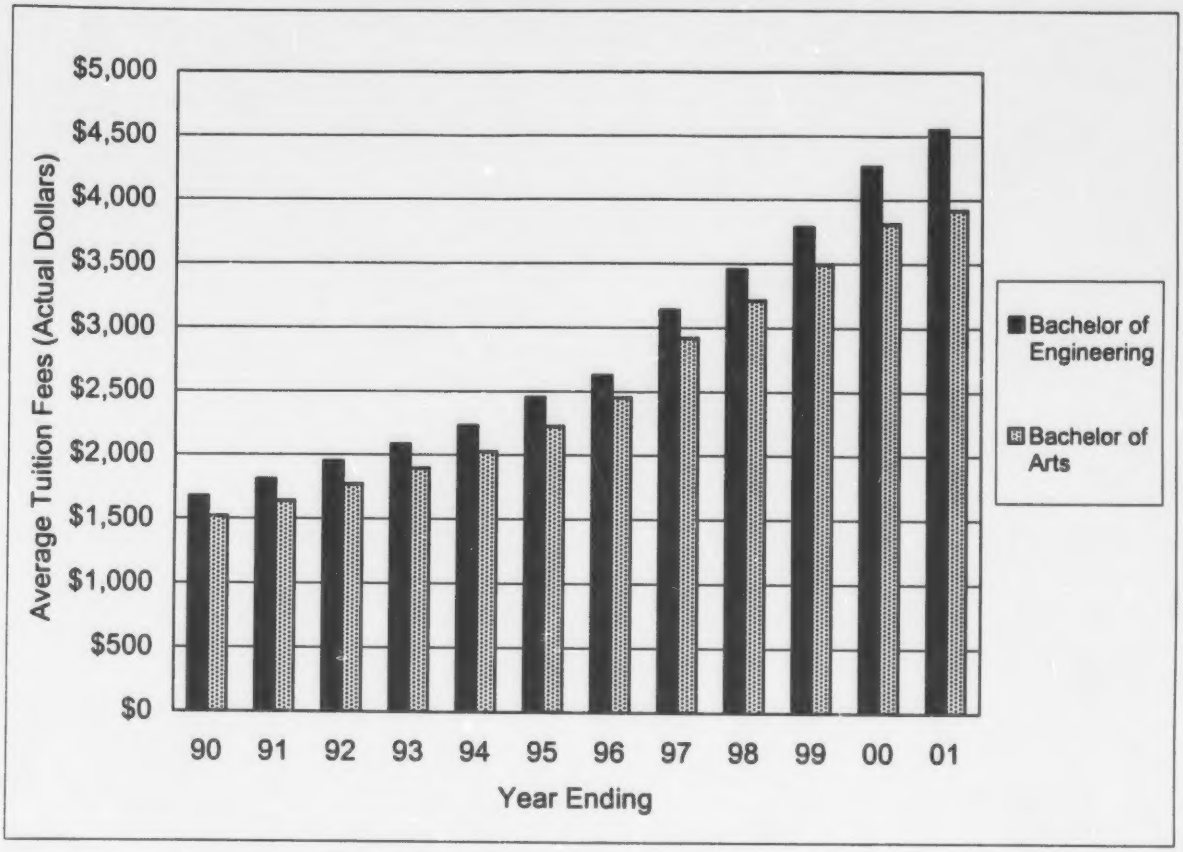


TABLE 5.3

TUITION FEES
BACHELOR OF ARTS PROGRAM
SELECTED CANADIAN UNIVERSITIES
COMPARED TO AVERAGE PERSONAL INCOME
1989-90 AND 1999-00

Province	Institution	Tuition Fees			Provincial Average Personal Income	1999-00 Tuition / Average Personal Income
		1989-90	1999-00	Increase		
Newfoundland	Memorial University	$1,280	$3,300	158%	19,628	16.8%
PEI	University of PEI	$1,720	$3,480	102%	20,283	17.2%
Nova Scotia	Dalhousie University	$1,710	$4,320	153%	22,191	19.5%
New Brunswick	University of New Brunswick	$1,875	$3,635	94%	21,684	16.8%
Quebec	Concordia University	$450	$1,680	273%		
	Universite Laval	$550	$1,668	203%		
	McGill University	$570	$1,668	193%		
	Universite de Montreal	$540	$1,668	209%		
	Universite de Quebec	$500	$1,668	234%		
	Universite de Sherbrooke	$470	$1,668	255%		
	6-University Average	$513	$1,670	225%	23,575	7.1%
Ontario	Carleton University	$1,517	$3,910	158%		
	University of Guelph	$1,518	$3,950	160%		
	McMaster University	$1,516	$3,830	153%		
	University of Ottawa	$1,517	$3,892	157%		
	Queen's University	$1,517	$3,951	160%		
	University of Toronto	$1,520	$3,951	160%		
	University of Waterloo	$1,518	$3,952	160%		
	University of Western Ontario	$1,517	$3,920	158%		
	York University	$1,517	$3,951	160%		
	9-University Average	$1,517	$3,923	159%	27,591	14.2%
Manitoba	University of Manitoba	$1,332	$2,796	110%	23,451	11.9%
Saskatchewan	University of Saskatchewan	$1,344	$3,298	145%	21,750	15.2%
Alberta	University of Alberta	$1,069	$3,770	253%		
	University of Calgary	$1,016	$3,834	277%		
	2-University Average	$1,043	$3,802	265%	27,721	13.7%
British Columbia	University of British Columbia	$1,605	$2,295	43%		
	Simon Fraser University	$1,560	$2,310	48%		
	University of Victoria	$1,545	$2,265	47%		
	3-University Average	$1,570	$2,290	46%	24,879	9.2%

Notes:
Fees are for full-time Canadian students.
Average rows are not weighted by enrolment of individual institutions.
Universities are selected according to the following criteria:
- at least one university from each province,
- all universities with 500 or more full-time teaching staff in 1996-97.
Provincial average personal income data is for 1998-99.

Sources:
Tuition: Tuition and Living Accomodation Costs at Canadian Universities, 1999-00, Statistics Canada.
Personal Income: see Resource Document, Table 5.1.

FIGURE 5.3

TUITION FEES
BACHELOR OF ARTS PROGRAM
SELECTED CANADIAN UNIVERSITIES
COMPARED TO AVERAGE PERSONAL INCOME
1989-90 AND 1999-00

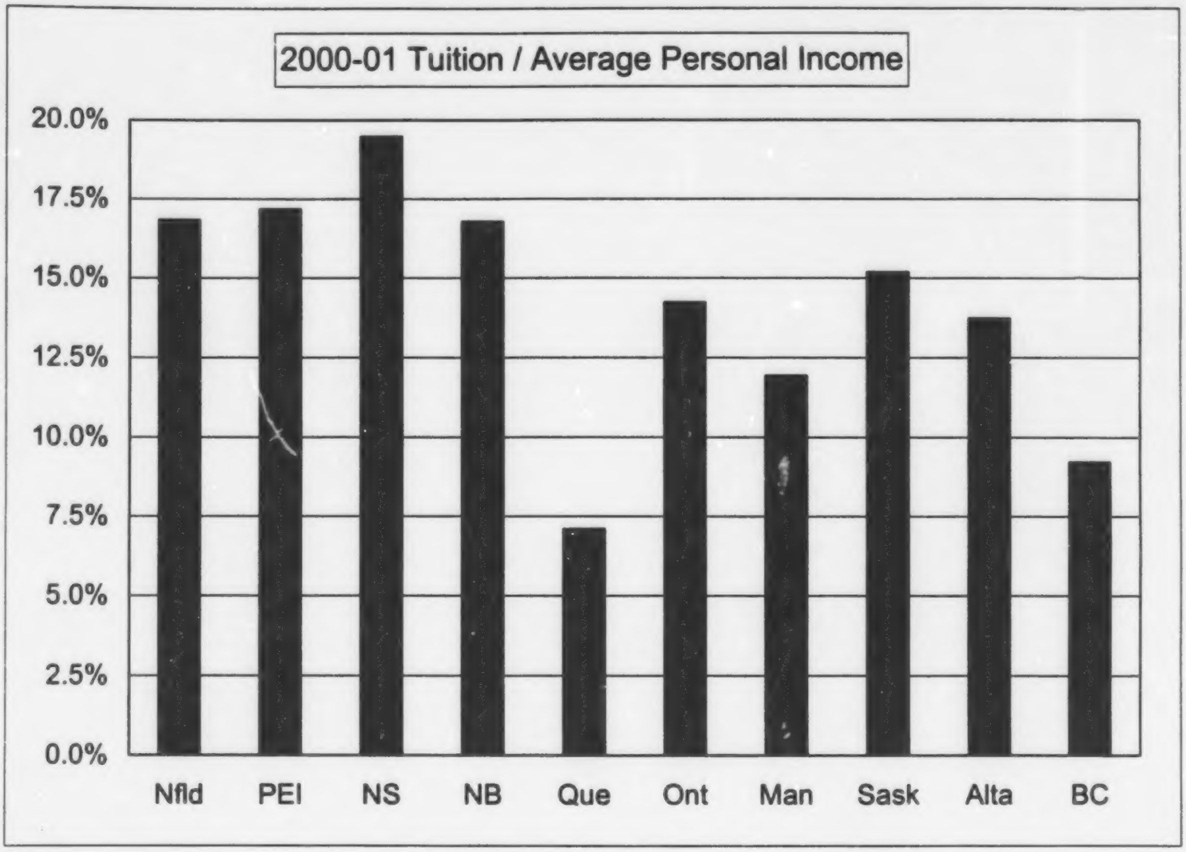


TABLE 5.4

TUITION PLUS REQUIRED FEES
RESEARCH AND DOCTORAL LEVEL UNIVERSITIES
ONTARIO AND AMERICAN GREAT LAKES STATES
COMPARED TO AVERAGE PERSONAL INCOME
2000-01

	Tuition + Required Fees			Average Personal Income	Avg Tuition + Reqd Fees / Avg Pers Inc
	Min	Avg	Max		
Ontario Universities	$4,036	$4,204	$4,441	$27,591	15.2%
Great Lakes States - Public Universities					
Illinois	$4,114	$4,450	$4,780	31,145	14.3%
Indiana	$3,564	$4,130	$4,790	26,143	15.8%
Michigan	$3,971	$4,891	$6,513	28,113	17.4%
Minnesota	$4,879	$4,879	$4,879	30,793	15.8%
New York	$3,737	$4,358	$4,710	33,890	12.9%
Ohio	$4,110	$5,021	$6,463	27,152	18.5%
Pennsylvania	$4,617	$6,331	$7,002	28,605	22.1%
Wisconsin	$3,764	$3,776	$3,788	27,390	13.8%
	------	------	------	------	------
Total	$3,564	$4,729	$7,002	$29,154	16.2%
Great Lakes States - Private Universities					
Illinois	$15,420	$20,477	$25,489	$31,145	65.7%
Indiana	$23,357	$23,357	$23,357	$26,143	89.3%
Michigan	$12,916	$13,958	$15,000	$28,113	49.6%
Minnesota					
New York	$15,520	$20,945	$26,404	$33,890	61.8%
Ohio	$8,160	$14,210	$20,260	$27,152	52.3%
Pennsylvania	$16,520	$21,772	$25,170	$28,605	76.1%
Wisconsin	$17,336	$17,336	$17,336	$27,390	63.3%
	------	------	------	------	------
Total	$8,160	$18,865	$26,404	$28,920	65.2%

Notes:

All Ontario data in $Cdn, all US data in $US.
Ontario: full-time Bachelor of Arts tuition + compulsory ancillary fees retained by institution.
US: full-time undergraduate in-state tuition + required fees.
Average tuition fees column is not weighted by enrolment of individual universities.
Average personal income data is for 1999-2000.
"Total" row for is average tuition fees not weighted by number of universities in each state.
"Total" row for average personal income is not weighted by population of each state.
Minnesota does not have any research or doctoral level private universities.

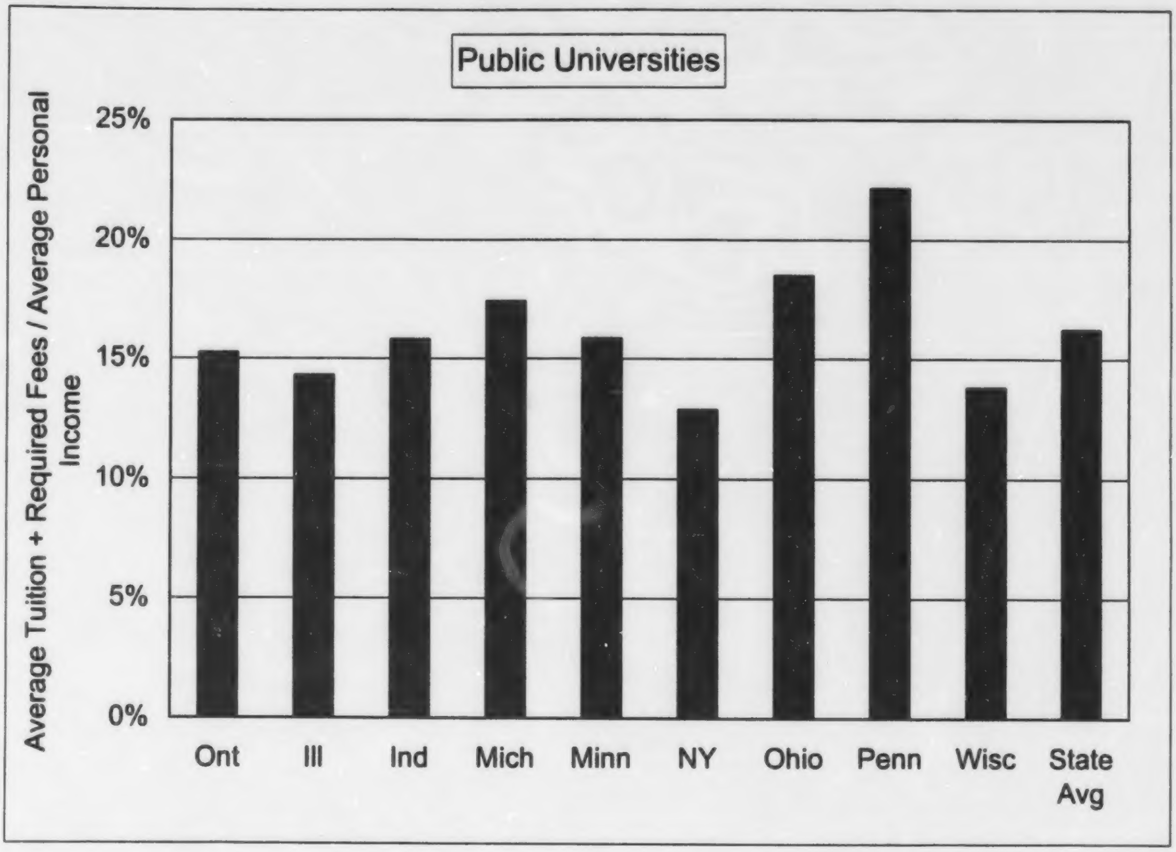
Sources:

Ontario tuition - Council of Ontario Universities.
USA tuition - Chronicle of Higher Education website
http://chronicle.com/stats/tuition/

Ontario personal income - see Resource Document, Table 5.1.
USA personal income - U.S. Bureau of Economic Analysis
http://www.bea.doc.gov/bea/regional/spi/

FIGURE 5.4

TUITION PLUS REQUIRED FEES
RESEARCH AND DOCTORAL LEVEL UNIVERSITIES
ONTARIO AND AMERICAN GREAT LAKES STATES
COMPARED TO AVERAGE PERSONAL INCOME
2000-01



Section 6

Student Financial Assistance

TABLE 6.1

ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)
ONTARIO GOVERNMENT STUDENT SUPPORT PROGRAM
1987-88 TO 2000-01

		Actual $	Index of Actual $	Constant $ 2000-01	Index of Constant $ 2000-01
1987-88		$181,220,191	100.0	$251,426,560	100.0
1988-89		$185,163,933	102.2	$246,741,706	98.1
1989-90		$188,731,975	104.1	$238,727,200	94.9
1990-91		$203,434,746	112.3	$244,890,986	97.4
1991-92		$270,188,715	149.1	$312,763,906	124.4
1992-93		$327,021,357	180.5	$372,161,346	148.0
1993-94	(1)	$101,413,273	56.0	$113,940,795	45.3
1994-95		$139,711,970	77.1	$156,052,551	62.1
1995-96		$230,548,001	127.2	$252,347,669	100.4
1996-97	(2)	$327,704,527	180.8	$352,297,737	140.1
1997-98		$524,051,334	289.2	$556,592,056	221.4
1998-99		$629,770,777	347.5	$662,125,973	263.3
1999-00		$867,806,943	478.9	$892,734,970	355.1
*2000-01**		*$712,533,000*	*393.2*	*$712,533,000*	*283.4*

Notes:

(1) Policy change to discontinue grants began in 1993-94.

(2) Ontario Student Opportunity Trust Fund began in 1996-97, but is excluded from this table. The government's commitment to OSOTF was $39M in 1996-97, $110M in 1997-98, $90M in 1998-99, $56M in 1999-00.

- Figures include OSAP support for students in all three sectors: universities, colleges, and private vocational schools.

Sources: Public Accounts of Ontario, 1987-88 to 1999-00.
Expenditure Estimates of Ontario, 2000-01.

FIGURE 6.1

ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)
ONTARIO GOVERNMENT STUDENT SUPPORT PROGRAM
1987-88 TO 2000-01

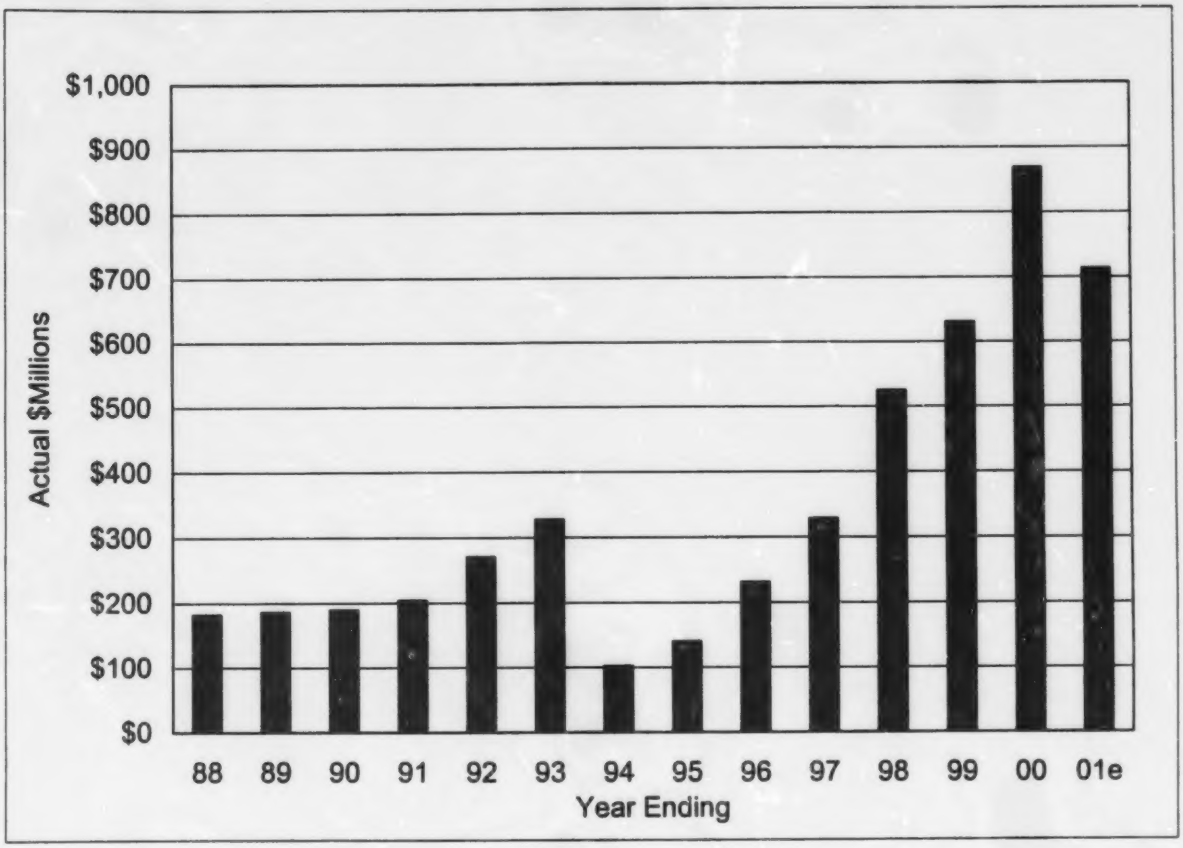


TABLE 6.2

SCHOLARSHIPS AND BURSARIES
COMPARED TO TOTAL UNIVERSITY EXPENDITURES AND ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

	Scholarships and Bursaries		Total University Expenditures			FTE Enrolment		Scholarships & Bursaries / FTE Enrolment	
	$000s	Index	$000s	Index	Schol & Burs / Tot Univ Exp	Enrolment	Index	$	Index
1987-88	$44,808	100.0	$2,797,926	100.0	1.60%	221,446	100.0	$202	100.0
1988-89	$45,378	101.3	$3,060,102	109.4	1.48%	230,357	104.0	$197	97.4
1989-90	$51,090	114.0	$3,386,936	121.1	1.51%	237,752	107.4	$215	106.2
1990-91	$58,636	130.9	$3,814,463	136.3	1.54%	246,628	111.4	$238	117.5
1991-92	$63,493	141.7	$4,106,965	146.8	1.55%	256,592	115.9	$247	122.3
1992-93	$71,036	158.5	$4,135,034	147.8	1.72%	261,380	118.0	$272	134.3
1993-94	$76,700	171.2	$4,246,101	151.8	1.81%	259,346	117.1	$296	146.2
1994-95	$86,232	192.4	$4,239,880	151.5	2.03%	256,753	115.9	$336	166.0
1995-96	$92,797	207.1	$4,254,001	152.0	2.18%	253,545	114.5	$366	180.9
1996-97	$101,888	227.4	$4,200,916	150.1	2.43%	249,294	112.6	$409	202.0
1997-98	$126,928	283.3	$4,351,437	155.5	2.92%	248,441	112.2	$511	252.5
1998-99	$169,326	377.9	$4,684,533	167.4	3.61%	249,984	112.9	$677	334.8
1999-00	$228,456	509.9	$5,148,459	184.0	4.44%	257,895	116.5	$886	437.8

Notes: Financial data: includes general + restricted funds, and affiliated and federated colleges.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (See Appendix A).

Sources: Financial data: COFO-UO, Financial Report of Ontario Universities.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 6.2

SCHOLARSHIPS AND BURSARIES
COMPARED TO TOTAL UNIVERSITY EXPENDITURES AND ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

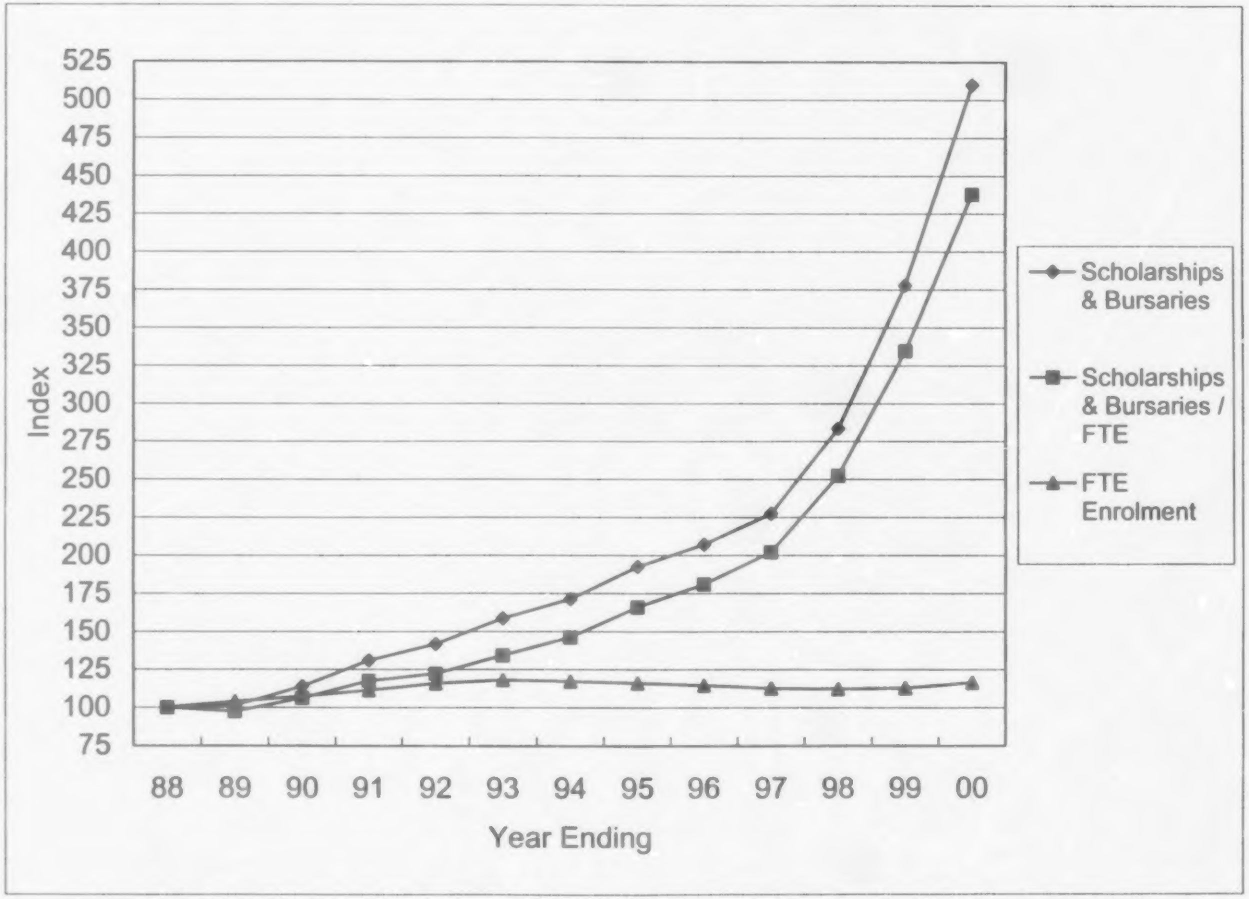


TABLE 6.3

ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)
LOAN DEFAULT RATES BY SECTOR
1996 TO 2000

	Loans Issued (#)					Loans in Default (#)					Default Rates (%)				
	1993-94	1994-95	1995-96	1996-97	1997-98	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
University	26,198	33,101	34,579	33,802	30,218	3,024	4,595	4,237	2,855	2,140	11.5%	13.9%	12.3%	8.4%	7.1%
College	26,281	34,237	36,722	35,559	31,567	5,596	9,410	9,315	7,132	5,419	21.3%	27.5%	25.4%	20.1%	17.2%
PVS	9,580	12,049	18,552	21,453	16,783	2,913	4,635	6,408	6,648	4,844	30.4%	38.5%	34.5%	31.0%	28.9%
Other	n.a.	n.a.	922	922	826	n.a.	n.a.	109	73	53	n.a.	n.a.	11.8%	7.9%	6.4%
Total	62,059	79,387	90,775	91,736	79,394	11,533	18,640	20,069	16,708	12,456	18.6%	23.5%	22.1%	18.2%	15.7%

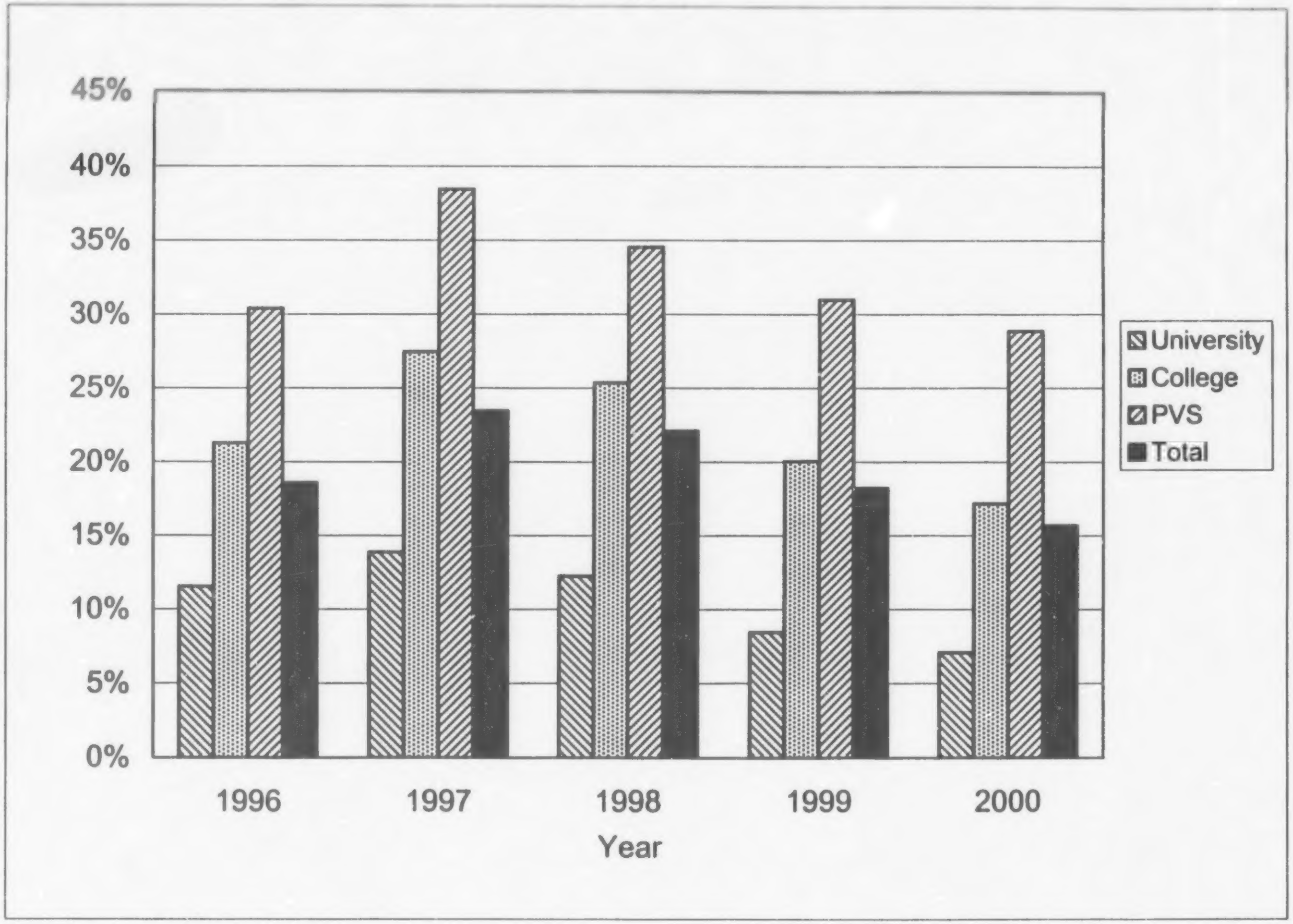
Notes:

PVS	Private Vocational School
Other	Other private and public postsecondary institutions in Ontario
Loans Issued	Number of Ontario Student Loan (OSL) recipients in year specified who were not OSL recipients in the following year
Loans in Default	Loan recipients in year beginning 3 years earlier (as defined in Loans Issued) who defaulted as of July of the year specified

Source: Ministry of Training, Colleges and Universities

FIGURE 6.3

ONTARIO STUDENT ASSISTANCE PROGRAM (OSAP)
LOAN DEFAULT RATES BY SECTOR
1996 TO 2000



Section 7

University Infrastructure

TABLE 7.1

LIBRARY EXPENDITURES
AND RELATED COMPARISONS
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

	Expenses in $000s				Indices				
	Library Acquisitions	Total Library	University Operating	FTE Enrolment	Library Acquisitions Expenses	Total Library Expenses	University Operating Expenses	FTE Enrolment	Price of Books and Periodicals
1987-88	$41,809	$133,885	$1,875,083	221,446	100.0	100.0	100.0	100.0	100.0
1988-89	$45,350	$139,689	$2,003,870	230,357	108.5	104.3	106.9	104.0	100.5
1989-90	$48,030	$151,607	$2,185,521	237,752	114.9	113.2	116.6	107.4	104.9
1990-91	$51,025	$163,992	$2,410,120	246,628	122.0	122.5	128.5	111.4	110.0
1991-92	$54,819	$179,219	$2,624,409	256,592	131.1	133.9	140.0	115.9	118.9
1992-93	$58,083	$189,811	$2,718,337	261,380	138.9	141.8	145.0	118.0	137.2
1993-94	$59,908	$188,135	$2,669,676	259,346	143.3	140.5	142.4	117.1	137.3
1994-95	$63,900	$189,234	$2,697,232	256,753	152.8	141.3	143.8	115.9	165.6
1995-96	$69,332	$195,808	$2,714,639	253,545	165.8	146.3	144.8	114.5	177.4
1996-97	$73,949	$192,106	$2,643,895	249,294	176.9	143.5	141.0	112.6	194.0
1997-98	$75,181	$192,152	$2,696,529	248,441	179.8	143.5	143.8	112.2	212.7
1998-99	$81,568	$203,919	$2,931,432	249,984	195.1	152.3	156.3	112.9	208.4
1999-00	$83,890	$208,275	$3,192,719	257,895	200.7	155.6	170.3	116.5	220.7

Notes: Affiliated and federated colleges included. Expenditures from general operating funds.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A)

Sources: Expenditures: COFO-UO, Financial Report of Ontario Universities.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.
Price of Books and Periodicals: Resource Document, Appendix E.

FIGURE 7.1

LIBRARY EXPENDITURES
AND RELATED COMPARISONS
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

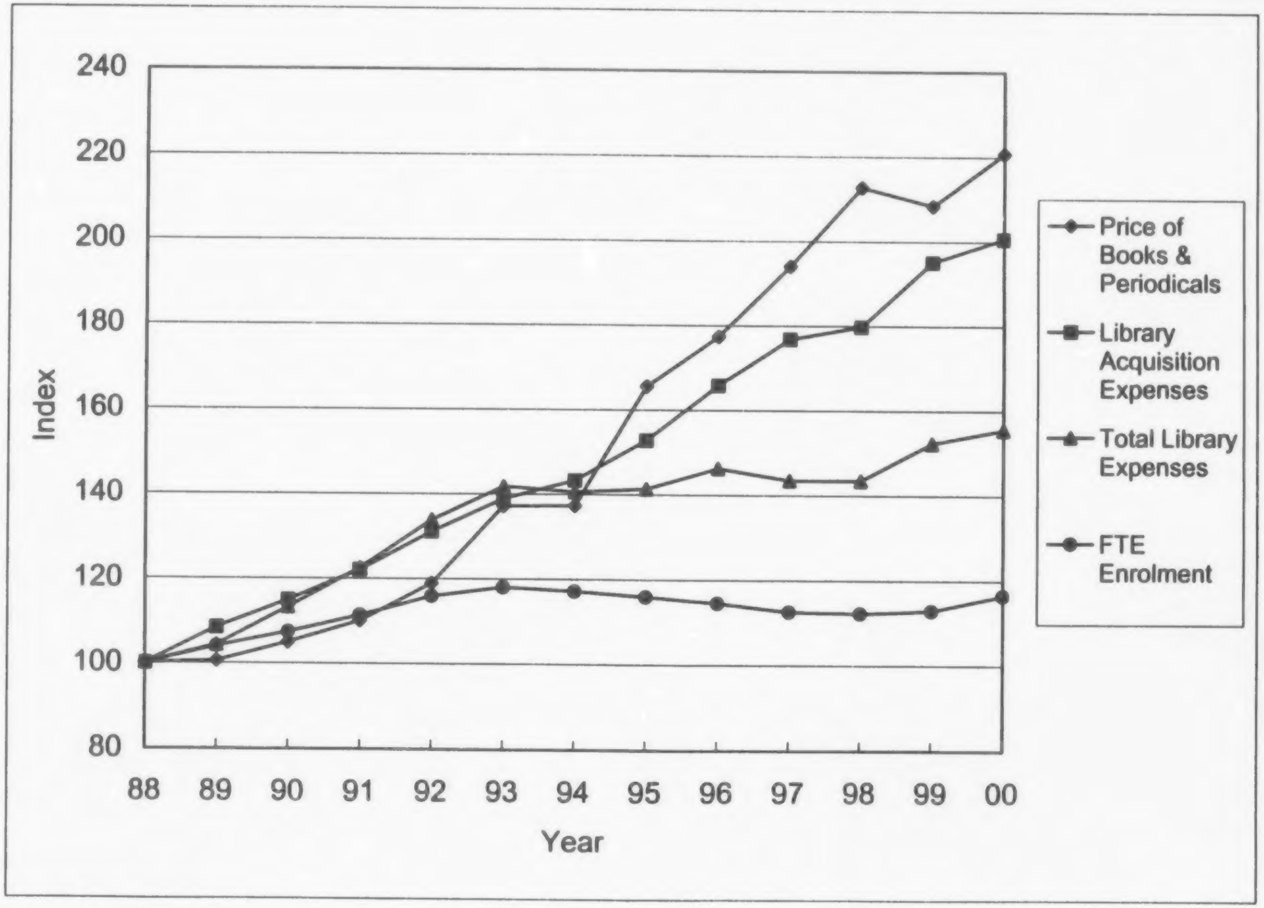


TABLE 7.2

MINISTRY OF TRAINING, COLLEGES AND UNIVERSITIES CAPITAL FUNDING COMPARED TO CAPITAL EXPENDITURES AT ONTARIO UNIVERSITIES 1987-88 TO 1999-00

	MTCU Capital Funding ($000s)		University Capital Expenditures ($000s)											MTCU Share of University Capital Expenses
			Buildings, Land and Site Services			Buildings			Renovations & Alterations			Total		
	Actual $	Constant $	Actual $	Constant $	%	Actual $	Constant $	%	Actual $	Constant $	%	Actual $	Constant $	
1987-88	$60,653	$76,827	$65,353	$51,595	63.2%	$62,069	$76,012	60.1%	$37,988	$48,118	36.8%	$103,341	$130,898	58.7%
1988-89	$72,700	$87,319	$82,205	$68,443	63.3%	$76,637	$88,993	59.0%	$47,757	$57,360	36.7%	$129,962	$156,095	55.9%
1989-90	$77,700	$90,225	$125,189	$107,811	73.3%	$118,453	$132,983	69.4%	$45,597	$52,947	26.7%	$170,786	$198,315	45.5%
1990-91	$77,700	$88,074	$185,001	$163,210	69.1%	$177,175	$194,167	66.2%	$82,826	$93,884	30.9%	$267,827	$303,585	29.0%
1991-92	$124,557	$144,013	$187,081	$161,807	65.4%	$162,775	$181,956	56.9%	$99,039	$114,509	34.6%	$286,120	$330,811	43.5%
1992-93	$83,967	$97,601	$97,485	$83,867	62.4%	$91,932	$103,313	58.8%	$58,766	$68,308	37.6%	$156,251	$181,621	53.7%
1993-94	$72,065	$82,335	$115,346	$100,958	63.5%	$109,347	$120,785	60.2%	$66,301	$75,750	36.5%	$181,647	$207,534	39.7%
1994-95	$39,844	$44,079	$69,700	$63,003	57.8%	$53,096	$56,791	44.0%	$50,984	$56,403	42.2%	$120,684	$133,512	33.0%
1995-96	$51,466	$55,231	$53,187	$49,561	42.5%	$52,330	$54,295	41.8%	$71,934	$77,196	57.5%	$125,121	$134,274	41.1%
1996-97	$33,871	$35,878	$55,334	$52,238	52.8%	$54,453	$55,766	52.0%	$49,417	$52,346	47.2%	$104,751	$110,959	32.3%
1997-98	$36,932	$38,199	$49,265	$47,630	42.5%	$36,593	$36,593	31.6%	$66,644	$68,931	57.5%	$115,909	$119,887	31.9%
1998-99	$35,440	$36,010	$84,102	$82,772	50.7%				$77,853	$79,104	47.0%	$165,799	$168,463	21.4%
1999-00	$604,838	$604,838	$84,014	$84,014	37.5%				$136,198	$136,198	60.8%	$224,144	$224,144	269.8%
2000-01	$94,108													

Notes: Expenditures: General plus restricted funds. Excludes ancillary funds. Includes affiliated and federated colleges.
Constant dollars are expressed in terms of 1999-00 dollars based on OUNSPI Renovation index.

Sources: Funding: Ministry of Training, Colleges and Universities, Universities Branch.
Expenditures: COFO-UO, Financial Report of Ontario Universities.

FIGURE 7.2

MINISTRY OF TRAINING, COLLEGES AND UNIVERSITIES CAPITAL FUNDING COMPARED TO CAPITAL EXPENDITURES AT ONTARIO UNIVERSITIES 1987-88 TO 1999-00

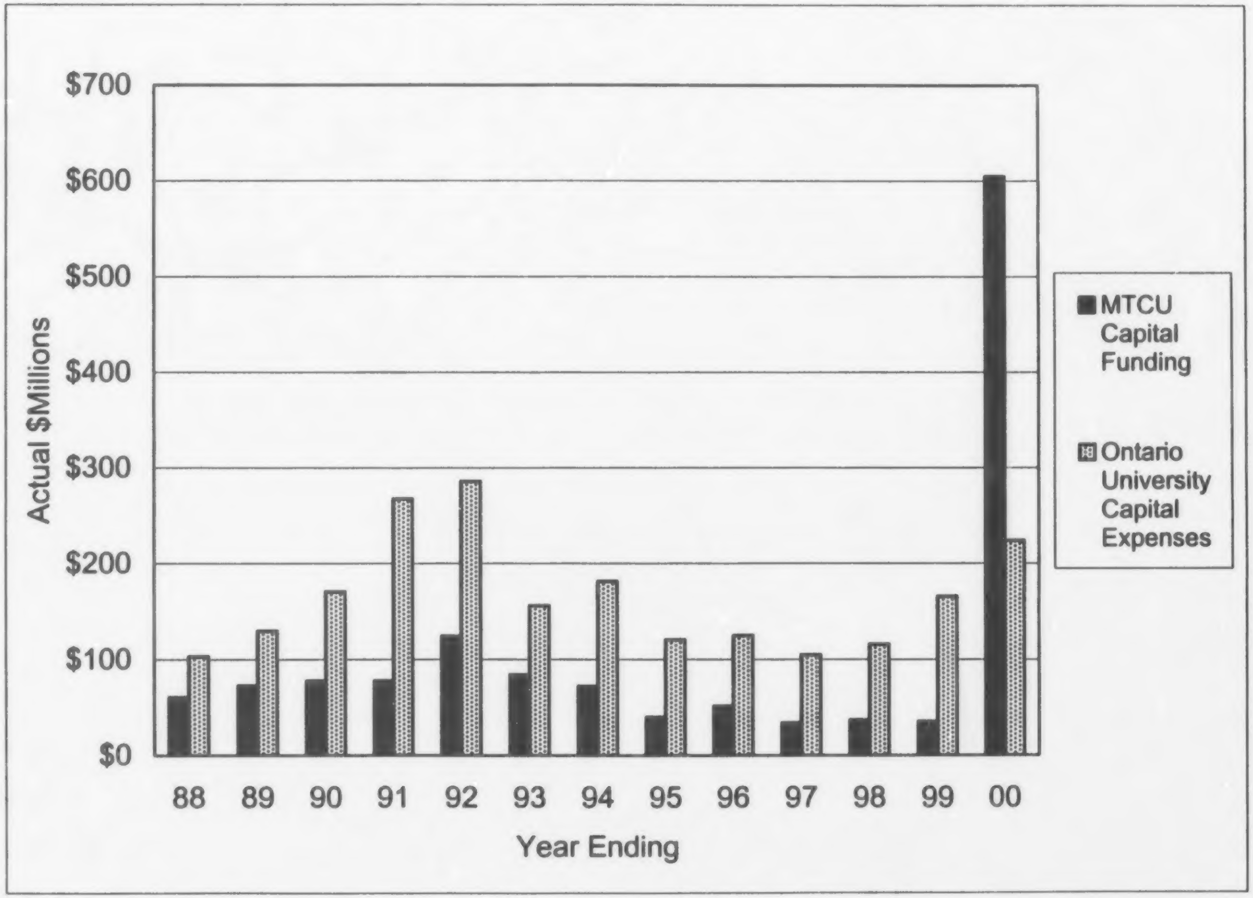


TABLE 7.3

UNIVERSITY CAPITAL EXPENDITURES
PER FTE ENROLMENT
PROVINCIAL COMPARISON
1988-89 TO 1998-99

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	10-Year Average	Rank
Newfoundland	$649	$711	$1,100	$682	$319	$689	$534	$368	$560	$255	$610	(8)
P.E.I.	$2,729	$686	$180	$509	$57	$103	$78	$106	$0	$589	$499	(10)
Nova Scotia	$422	$173	$273	$284	$493	$477	$671	$1,165	$454	$941	$548	(9)
New Brunswick	$205	$230	$561	$832	$1,119	$1,146	$913	$558	$593	$626	$703	(7)
Quebec	$844	$980	$1,038	$853	$1,178	$1,326	$1,529	$1,001	$1,120	$1,243	$1,118	(2)
Manitoba	$310	$443	$557	$480	$537	$758	$1,328	$1,082	$517	$732	$746	(5)
Saskatchewan	$3,486	$1,887	$627	$468	$583	$578	$769	$1,064	$502	$1,466	$1,010	(4)
Alberta	$1,662	$1,434	$1,008	$1,186	$1,039	$849	$782	$667	$694	$268	$1,027	(3)
British Columbia	$1,444	$1,529	$2,781	$2,708	$3,511	$3,814	$2,653	$1,854	$1,825	$883	$2,394	(1)
9 Provinces	$1,071	$1,129	$1,035	$1,122	$1,046	$1,295	$1,413	$1,385	$1,060	$958	$995	
Difference from Ont	$125	-$120	-$183	$489	$284	$791	$902	$907	$595	$320	$250	
Ontario	$946	$1,249	$1,217	$633	$761	$504	$511	$478	$465	$638	$745	(6)
Canada	$951	$1,074	$1,144	$1,182	$916	$1,108	$1,083	$1,062	$857	$768	$857	
Difference from Ont	$5	-$175	-$73	$549	$155	$603	$572	$584	$392	$130	$113	

Notes: Expenditures: Total funds spent on renovations & alterations + buildings + land & site services. Excludes ancillary.
FTE Enrolment: full-time enrolment + (part-time enrolment / 3.5), undergraduate + graduate.
Ratio: 10-year average = sum of 10-year expenses in constant 1998-99 dollars / sum of 10-year FTE enrolment.

Sources: Expenditures: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.
Full-time and part-time enrolment: Statistics Canada.

FIGURE 7.3

UNIVERSITY CAPITAL EXPENDITURES
PER FTE ENROLMENT
PROVINCIAL COMPARISON
1988-89 TO 1998-99

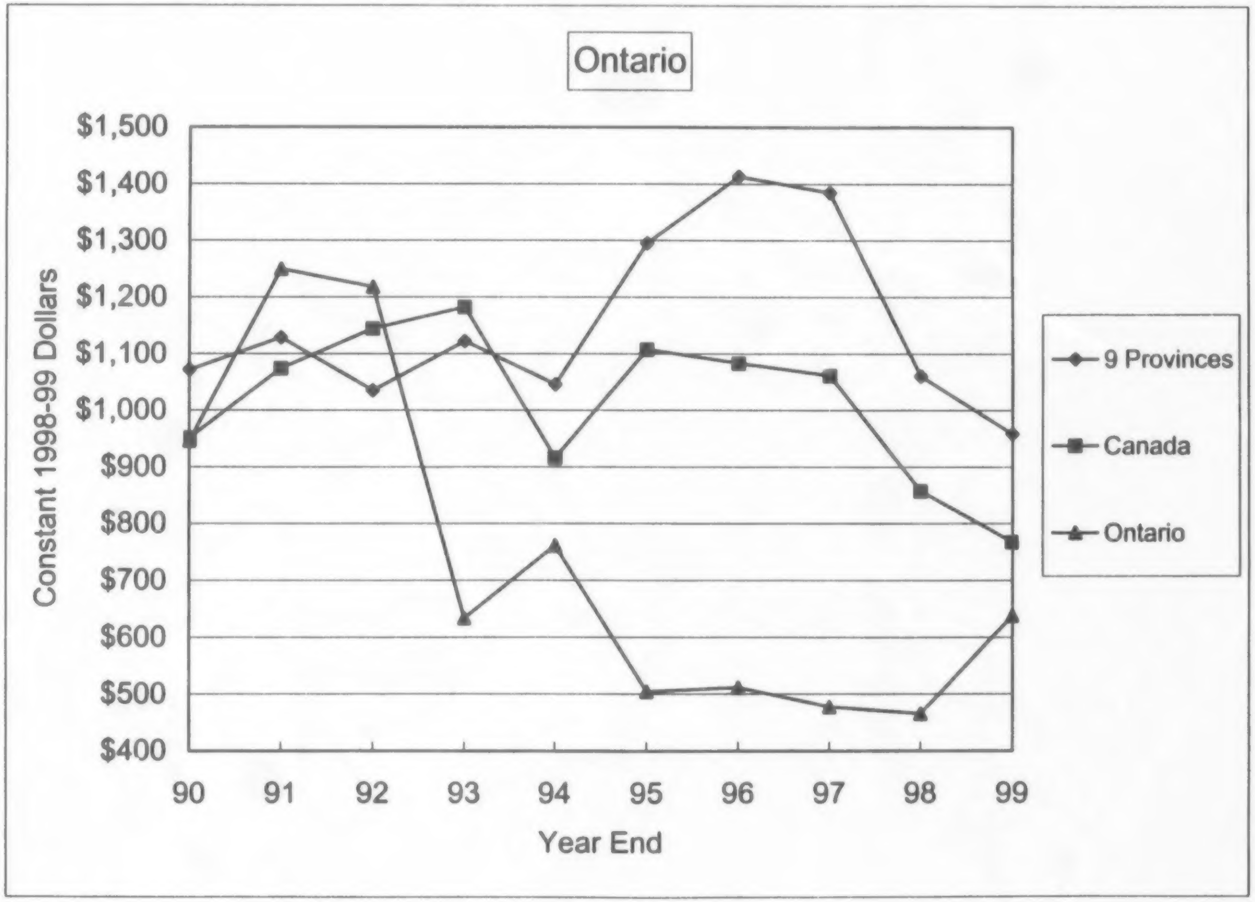


TABLE 7.4

UNIVERSITY CAPITAL AND PLANT RELATED INDICATORS
PROVINCIAL COMPARISON
1988-89 TO 1998-99

	Income						Expenditures			
	Prov Govt Grant for Plant as a share of Total Plant Income		Prov Govt Grant for Plant as a share of Total University Income		Total Plant Income as a share of Total University Income		Total Capital Expenditures as a share of Total University Expenditures		Total Plant Expenditures as a share of Total University Expenditures	
	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank
Newfoundland	58.3%	(7)	1.2%	(8)	2.1%	(9)	3.8%	(8)	3.4%	(8)
P.E.I.	24.5%	(10)	0.9%	(9)	3.7%	(5)	2.8%	(10)	3.4%	(9)
Nova Scotia	51.2%	(9)	0.8%	(10)	1.6%	(10)	3.5%	(9)	3.3%	(10)
New Brunswick	72.5%	(4)	1.6%	(6)	2.2%	(8)	5.3%	(5)	3.7%	(6)
Quebec	76.2%	(2)	5.3%	(1)	7.0%	(1)	6.3%	(2)	9.8%	(2)
Manitoba	71.1%	(6)	2.0%	(5)	2.8%	(6)	4.2%	(7)	3.5%	(7)
Saskatchewan	88.4%	(1)	5.0%	(2)	5.7%	(3)	6.0%	(3)	6.6%	(3)
Alberta	72.0%	(5)	3.4%	(4)	4.7%	(4)	5.4%	(4)	6.3%	(4)
British Columbia	72.7%	(3)	4.3%	(3)	5.9%	(2)	9.6%	(1)	10.2%	(1)
9 Provinces	74.5%		4.0%		5.4%		6.3%		7.9%	
Ontario	57.0%	(8)	1.4%	(7)	2.4%	(7)	4.6%	(6)	4.0%	(5)
Canada	70.7%		3.0%		4.2%		5.6%		6.4%	

Notes: Percentages are based on 10-year averages calculated in terms of constant 1998-99 dollars.
Capital Expenditures = Total Funds from all sources spent on Buildings + Renovations & Alterations + Land & Site Services.
Plant Income = Grants and related interest income for the purpose of capital expenditures on furniture & equipment, major renovations & alterations, space rental, buildings, and land & site services.
Total University Income & Expenditures = Total for General Operating + Special Purpose & Trust + Sponsored Research + Ancillary Enterprises + Plant

Source: Expenditures: Statistics Canada, Canadian Association of University Business Officers (CAUBO), Financial Statistics of Universities and Colleges.

TABLE 7.5

INVENTORY OF PHYSICAL SPACE
COMPARED TO GENERATED SPACE
ONTARIO UNIVERSITIES
1986-87 TO 1998-99

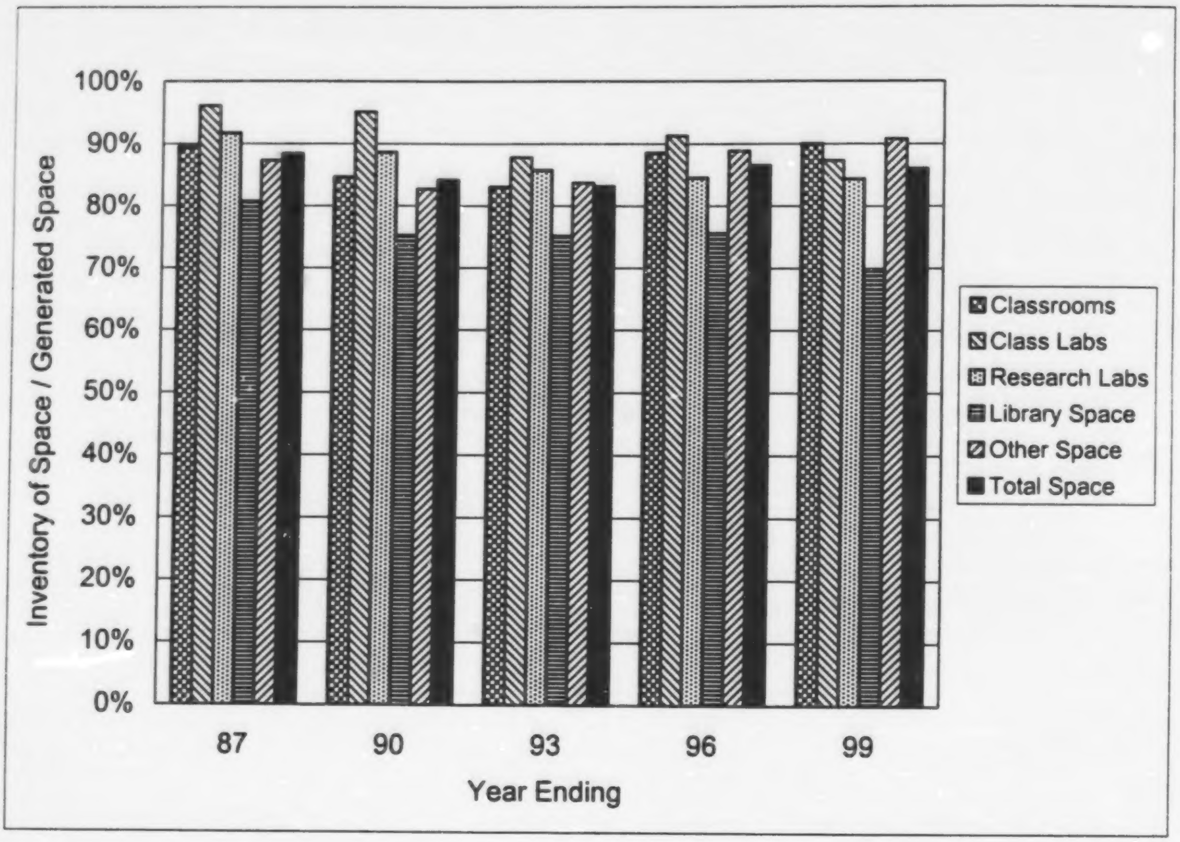
Category of Space	Year	Inventory of Space	Generated Space	Inventory/ Generated Space
Classrooms	1986-87	206,972	231,405	89.4%
	1989-90	218,568	258,220	84.6%
	1992-93	247,913	298,551	83.0%
	1995-96	256,078	289,317	88.5%
	1998-99	260,194	289,183	90.0%
Class Labs	1986-87	311,046	323,758	96.1%
	1989-90	308,474	324,505	95.1%
	1992-93	314,577	358,283	87.8%
	1995-96	326,708	357,967	91.3%
	1998-99	323,541	370,708	87.3%
Research Labs	1986-87	300,052	327,236	91.7%
	1989-90	312,657	352,848	88.6%
	1992-93	335,255	391,027	85.7%
	1995-96	340,867	403,446	84.5%
	1998-99	345,767	409,887	84.4%
Library Space	1986-87	264,431	327,804	80.7%
	1989-90	280,579	373,000	75.2%
	1992-93	318,214	423,698	75.1%
	1995-96	326,963	432,638	75.6%
	1998-99	325,471	466,966	69.7%
Other Space	1986-87	1,029,180	1,179,049	87.3%
	1989-90	1,081,196	1,307,765	82.7%
	1992-93	1,232,316	1,472,340	83.7%
	1995-96	1,274,939	1,435,180	88.8%
	1998-99	1,294,257	1,426,326	90.7%
Total Space	1986-87	2,111,681	2,389,252	88.4%
	1989-90	2,201,474	2,616,338	84.1%
	1992-93	2,448,275	2,943,899	83.2%
	1995-96	2,525,555	2,918,548	86.5%
	1998-99	2,549,230	2,963,070	86.0%

Source: COU Triennial Inventory of Physical Facilities of Ontario Universities.

Notes: Space is measured in net assignable square meters.
"Generated Space" is calculated using established space standards -- "COU Building Blocks" -- which depend on category of space, program classification, and input measures (FTE enrolment, FTE faculty, FTE graduate students, weekly student contact hours, FTE non-academic staff, and library volumes).
"Other Space" is an aggregate of the following space categories: academic departmental offices and related space, athletic and recreational space, food services, bookstore and other merchandising facilities, plant maintenance, administrative office and related space, audio-visual and television facilities, central services, health service facilities, common use and student activity space, and assembly and exhibition space. Excluded are non-assignable space as well as the following non-formula space categories: residential space, animal space, other university facilities, and health science clinical facilities.

FIGURE 7.5

INVENTORY OF PHYSICAL SPACE
COMPARED TO GENERATED SPACE
ONTARIO UNIVERSITIES
1986-87 TO 1998-99



F-2

Section 8

Faculty and Staff

TABLE 8.1

FACULTY AND STAFF
COMPARED TO ENROLMENT
ONTARIO UNIVERSITIES
1987-89 TO 1999-00

						Index				
	Full-Time Faculty	FTE Part-Time Faculty	FTE Non-Academic Staff	FTE Faculty and Staff	FTE Enrolment	Full-Time Faculty	FTE Part-Time Faculty	FTE Non-Academic Staff	FTE Faculty and Staff	FTE Enrolment
1987-88	13,085	1,780	17,658	32,523	219,492	100.0	100.0	100.0	100.0	100.0
1988-89	13,372	1,874	18,004	33,249	228,438	102.2	105.3	102.0	102.2	104.1
1989-90	13,673	1,932	18,330	33,935	235,993	104.5	108.6	103.8	104.3	107.5
1990-91	13,717	1,924	18,626	34,267	244,792	104.8	108.1	105.5	105.4	111.5
1991-92	13,422	1,895	18,640	33,957	254,707	102.6	106.4	105.6	104.4	116.0
1992-93	13,347	1,951	18,473	33,772	259,506	102.0	109.6	104.6	103.8	118.2
1993-94	13,146	1,985	18,319	33,449	257,386	100.5	111.5	103.7	102.8	117.3
1994-95	12,792	1,937	17,823	32,552	254,824	97.8	108.8	100.9	100.1	116.1
1995-96	12,647	1,903	17,372	31,922	251,677	96.7	106.9	98.4	98.2	114.7
1996-97	11,755	1,861	15,882	29,498	247,371	89.8	104.6	89.9	90.7	112.7
1997-98	11,664	1,806	15,800	29,270	246,553	89.1	101.5	89.5	90.0	112.3
1998-99	11,747	1,785	15,750	29,282	248,427	89.8	100.3	89.2	90.0	113.2
1999-00	11,790	1,765	16,114	29,669	257,895	90.1	99.2	91.3	91.2	117.5

Notes: Because counts of Full-Time Faculty for OCAD are not available from Statistics Canada, in order to be consistent all data in this table are based on the 17 Ontario universtities, with OCAD excluded. See notes to Table 8.5 for details on the methodology for counting full-time faculty. Because estimates of full-time faculty counts are used to compensate for occasional unreported data by specific universities in specific years, the counts in this table are, for some years, higher than those provided in COU's annual "Facts and Figures" report, where unreported counts are not estimated. 1998-99 and 1999-2000 data is from Facts and Figures 2000. Due to survey methodologies, the FTE Faculty and Staff column (the sum of the three previous columns) does not represent all faculty and staff employed by Ontario universities.

FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A).

Sources: Full-time faculty: Statistics Canada, Salaries and Salary Scales of Full-time Teaching Staff at Canadian Universities.
Part-time faculty: Council of Ontario Universities, Survey on Faculty Complements.
Non-academic staff: Council of Ontario Universities, Survey on Non-academic Employees.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 8.1

FACULTY AND STAFF
COMPARED TO ENROLMENT
ONTARIO UNIVERSITIES
1987-89 TO 1999-00

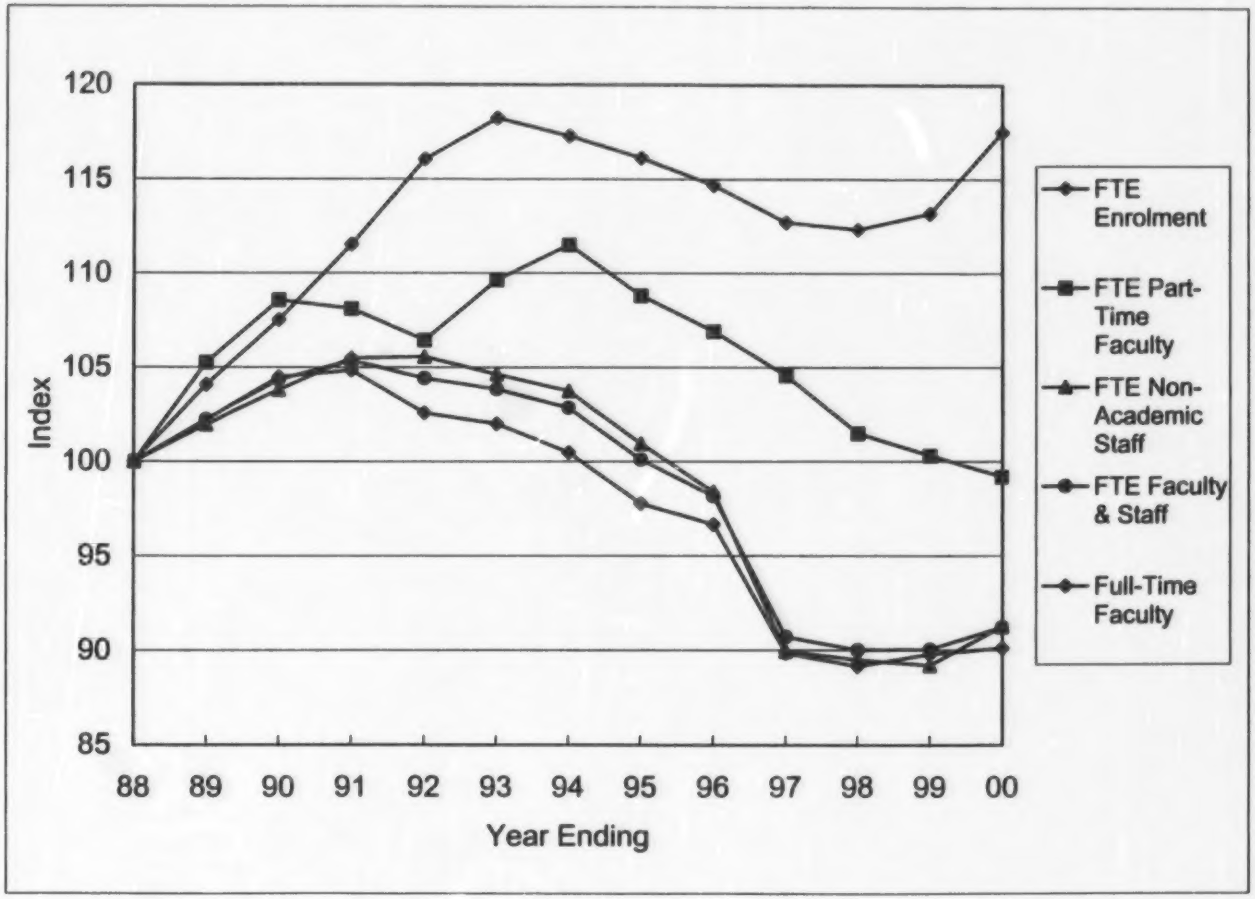


TABLE 8.2

SALARIES AND WAGES
COMPARED TO ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

	Actual $000s				Constant 1998-99 $000s			
	Academic Ranks	Other Instruction & Research	Non-Academic Staff	Total	Academic Ranks	Other Instruction & Research	Non-Academic Staff	Total
1987-88	$727,439	$72,417	$530,099	$1,329,955	$981,074	$97,667	$714,928	$1,793,668
1988-89	$781,634	$81,170	$572,376	$1,435,180	$1,012,489	$105,143	$741,427	$1,859,059
1989-90	$842,949	$91,461	$628,352	$1,562,762	$1,036,474	$112,459	$772,609	$1,921,542
1990-91	$913,361	$102,861	$690,116	$1,706,338	$1,068,786	$120,365	$807,552	$1,996,702
1991-92	$981,391	$135,875	$721,308	$1,838,574	$1,104,313	$152,894	$811,654	$2,068,860
1992-93	$1,007,737	$133,595	$757,344	$1,898,676	$1,114,815	$147,790	$837,817	$2,100,422
1993-94	$996,655	$136,466	$743,105	$1,876,226	$1,088,504	$149,042	$811,587	$2,049,133
1994-95	$975,524	$125,276	$762,671	$1,863,471	$1,059,195	$136,021	$828,085	$2,023,301
1995-96	$957,423	$121,537	$786,234	$1,865,194	$1,018,691	$129,314	$836,547	$1,984,552
1996-97	$917,717	$128,047	$745,324	$1,791,088	$959,040	$133,813	$778,885	$1,871,737
1997-98	$927,706	$122,406	$751,036	$1,801,148	$957,798	$126,377	$775,398	$1,859,573
1998-99	$937,117	$131,396	$856,142	$1,924,655	$957,751	$134,289	$874,993	$1,967,033
1999-00	$988,644	$140,050	$898,001	$2,026,695	$988,644	$140,050	$898,001	$2,026,695

	Index of Constant 1999-00 Dollars					
	Academic Ranks	Other Instruction & Research	Non-Academic Staff	Total	FTE Enrolment	Index of FTE Enrolment
1987-88	100.0	100.0	100.0	100.0	221,446	100.0
1988-89	103.2	107.7	103.7	103.6	230,357	104.0
1989-90	105.6	115.1	108.1	107.1	237,752	107.4
1990-91	108.9	123.2	113.0	111.3	246,628	111.4
1991-92	112.6	156.5	113.5	115.3	256,592	115.9
1992-93	113.6	151.3	117.2	117.1	261,380	118.0
1993-94	111.0	152.6	113.5	114.2	259,346	117.1
1994-95	108.0	139.3	115.8	112.8	256,753	115.9
1995-96	103.8	132.4	117.0	110.6	253,545	114.5
1996-97	97.8	137.0	108.9	104.4	249,294	112.6
1997-98	97.6	129.4	108.5	103.7	248,441	112.2
1998-99	97.6	137.5	122.4	109.7	249,984	112.9
1999-00	100.8	143.4	125.6	113.0	257,895	116.5

Notes: Affiliated and federated colleges included.
Salaries and Wages are for general operating funds.
FTE Enrolment: COU estimate of Fall, eligible + ineligible, undergraduate + graduate, full-time equivalent enrolment (see Appendix A).
Total for "Other Instruction and Research" increased by $6.037m in 1998-99 to correct for a temporary accounting change at one institution. In addition, $7.0m was moved from Academic Ranks to "Other Instruction and Research" in 1999 to correct for an accounting error by one institution.

Sources: Salaries & Wages: COFO-UO, Financial Report of Ontario Universities.
Full-time and part-time enrolment: Ministry of Training, Colleges and Universities.

FIGURE 8.2

SALARIES AND WAGES
COMPARED TO ENROLMENT
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

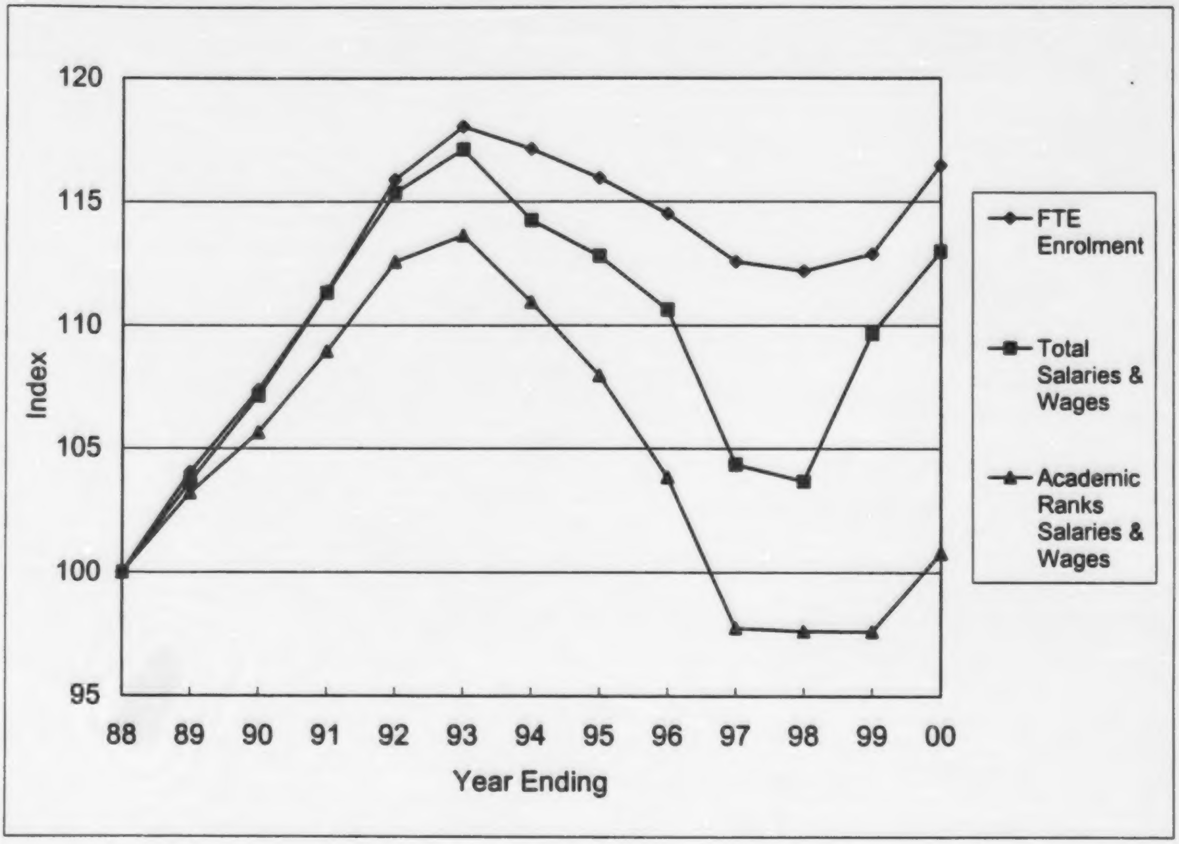


TABLE 8.3

EMPLOYEE BENEFIT COSTS
COMPARED TO SALARIES AND WAGES
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
Actual $000s													
Salaries & Wages	$1,296,233	$1,399,147	$1,524,064	$1,664,838	$1,794,632	$1,850,259	$1,830,350	$1,816,181	$1,817,554	$1,741,671	$1,750,717	$1,868,306	$1,973,748
Statutory Benefits	$55,857	$58,180	$68,988	$92,054	$109,724	$118,624	$120,403	$123,115	$120,255	$121,242	$111,014	$126,904	$141,805
Non-Statutory Benefits	$94,679	$101,570	$101,545	$125,761	$157,788	$171,750	$137,641	$146,672	$140,229	$133,906	$125,273	$118,559	$141,872
Total Benefits	$150,536	$159,750	$170,533	$217,815	$267,512	$290,374	$258,044	$269,787	$260,484	$255,148	$236,287	$245,463	$283,677
Total Salaries & Benefits	$1,446,769	$1,558,897	$1,694,597	$1,882,653	$2,062,144	$2,140,633	$2,088,394	$2,085,968	$2,078,036	$1,996,819	$1,987,004	$2,113,769	$2,257,425
Constant 1999-00 $000s													
Salaries & Wages	$1,748,188	$1,812,383	$1,873,959	$1,948,140	$2,019,414	$2,046,861	$1,999,029	$1,971,955	$1,933,864	$1,820,095	$1,807,506	$1,909,443	$1,973,748
Statutory Benefits	$75,333	$75,363	$84,826	$107,719	$123,467	$131,229	$131,499	$133,675	$127,950	$126,701	$114,615	$129,698	$141,805
Non-Statutory Benefits	$127,691	$131,569	$124,858	$147,162	$177,551	$190,000	$150,326	$159,252	$149,203	$139,936	$129,337	$121,169	$141,872
Total Benefits	$203,023	$206,932	$209,684	$254,880	$301,019	$321,228	$281,825	$292,927	$277,153	$266,637	$243,952	$250,868	$283,677
Total Salaries & Benefits	$1,889,908	$1,955,872	$2,018,179	$2,133,805	$2,247,529	$2,293,687	$2,209,193	$2,193,723	$2,141,550	$2,021,170	$1,987,004	$2,092,437	$2,257,425
Percent of Total													
Salaries & Wages	89.6%	89.8%	89.9%	88.4%	87.0%	86.4%	87.6%	87.1%	87.5%	87.2%	88.1%	88.4%	87.4%
Statutory Benefits	3.9%	3.7%	4.1%	4.9%	5.3%	5.5%	5.8%	5.9%	5.8%	6.1%	5.6%	6.0%	6.3%
Non-Statutory Benefits	6.5%	6.5%	6.0%	6.7%	7.7%	8.0%	6.6%	7.0%	6.7%	6.7%	6.3%	5.6%	6.3%
Total Benefits	10.4%	10.2%	10.1%	11.6%	13.0%	13.6%	12.4%	12.9%	12.5%	12.8%	11.9%	11.6%	12.6%
Total Salaries & Benefits	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Indices (based on constant 1998-99 dollars)													
Salaries & Wages	100.0	103.7	107.2	111.4	115.5	117.1	114.3	112.8	110.6	104.1	103.4	109.2	112.9
Statutory Benefits	100.0	100.0	112.6	143.0	163.9	174.2	174.6	177.4	169.8	168.2	152.1	172.2	188.2
Non-Statutory Benefits	100.0	103.0	97.8	115.2	139.0	148.8	117.7	124.7	116.8	109.6	101.3	94.9	111.1
Total Benefits	100.0	101.9	103.3	125.5	148.3	158.2	138.8	144.3	136.5	131.3	120.2	123.6	139.7
Total Salaries & Benefits	100.0	103.5	106.8	112.9	118.9	121.4	116.9	116.1	113.3	106.9	105.1	110.7	119.4

Notes: Statutory benefits are Employer Health Tax, Canada Pension, Worker's Compensation, Employment Insurance.
Non-Statutory benefits are Pension, Group Life Insurance, Long Term Disability, Dental Insurance, Extended Health Care, Tuition Remission, Other.
Affiliated and federated colleges excluded.
Figures are for general operating funds.

Sources: COFO-UO, Financial Report of Ontario Universities.

FIGURE 8.3

EMPLOYEE BENEFIT COSTS
COMPARED TO SALARIES AND WAGES
ONTARIO UNIVERSITIES
1987-88 TO 1999-00

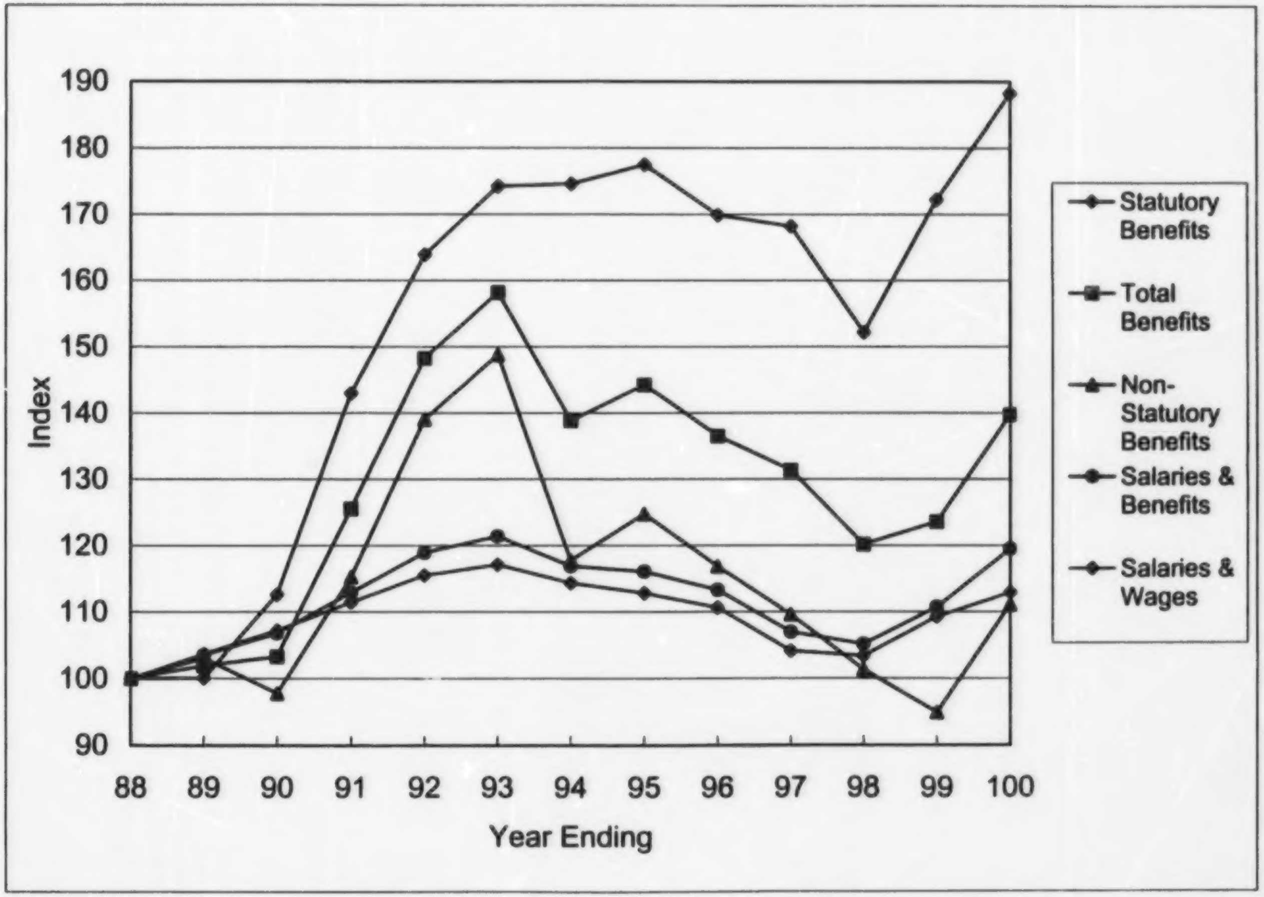


TABLE 8.4

AVERAGE CLASS SIZES FOR ELEMENTARY AND SECONDARY SCHOOLS
STUDENT / TEACHER RATIOS FOR COLLEGES AND UNIVERSITIES
ONTARIO
1987-88 TO 1999-00

	Elementary Schools		Secondary Schools		Community Colleges		Universities	
	Class Size	Index	Class Size	Index	Student / Faculty	Index	Student / Faculty	Index
1987-88					11.5	74.5	14.6	83.9
1988-89					11.3	73.1	14.9	85.6
1989-90	23.9	100.8			11.7	75.7	15.1	86.7
1990-91	23.5	99.2			12.4	80.4	15.7	89.8
1991-92	23.2	97.9			13.4	86.9	16.7	95.6
1992-93	23.4	98.7			14.4	93.4	17.1	98.3
1993-94	23.7	100.0	20.9	100.0	15.5	100.0	17.4	100.0
1994-95	24.3	102.5	21.5	102.9	16.2	104.8	17.8	102.3
1995-96	24.6	103.8	21.9	104.8	17.6	113.9	17.9	102.4
1996-97	24.9	105.1	21.4	102.4	20.1	129.9	19.1	109.7
1997-98	24.9	105.1	22.5	107.7	21.2	137.2	19.3	110.7
1998-99	24.4	103.0	21.5	102.9	22.0	142.0	19.4	111.2
1999-00	24.3	102.5	21.4	102.4	21.5	138.8	19.4	111.4

Notes:

Elementary & Secondary Schools: Average class size. Special education classes are excluded.
Figures are not available before 1989-90 for elementary and before 1993-94 for secondary.
Community Colleges: Full-time post-secondary enrolment / full-time academic employees.
Universities: Full-time enrolment / full-time faculty. Based on the 17 Ontario universities, with OCAD excluded, since full-time faculty counts are not available for OCAD from Statistics Canada.
See notes to Table 8.5 for details on the methodology for counting full-time faculty.

Indices: Relative to 1993-94, the first year for which all four indicators are available.

Sources:

Elementary & Secondary Schools: Ministry of Education.
Community Colleges: Ministry of Training, Colleges and Universities.
Universities: Enrolment from Ministry of Training, Colleges and Universities. Faculty from Statistics Canada.

FIGURE 8.4

AVERAGE CLASS SIZES FOR ELEMENTARY AND SECONDARY SCHOOLS
STUDENT / TEACHER RATIOS FOR COLLEGES AND UNIVERSITIES
ONTARIO
1987-88 TO 1999-00

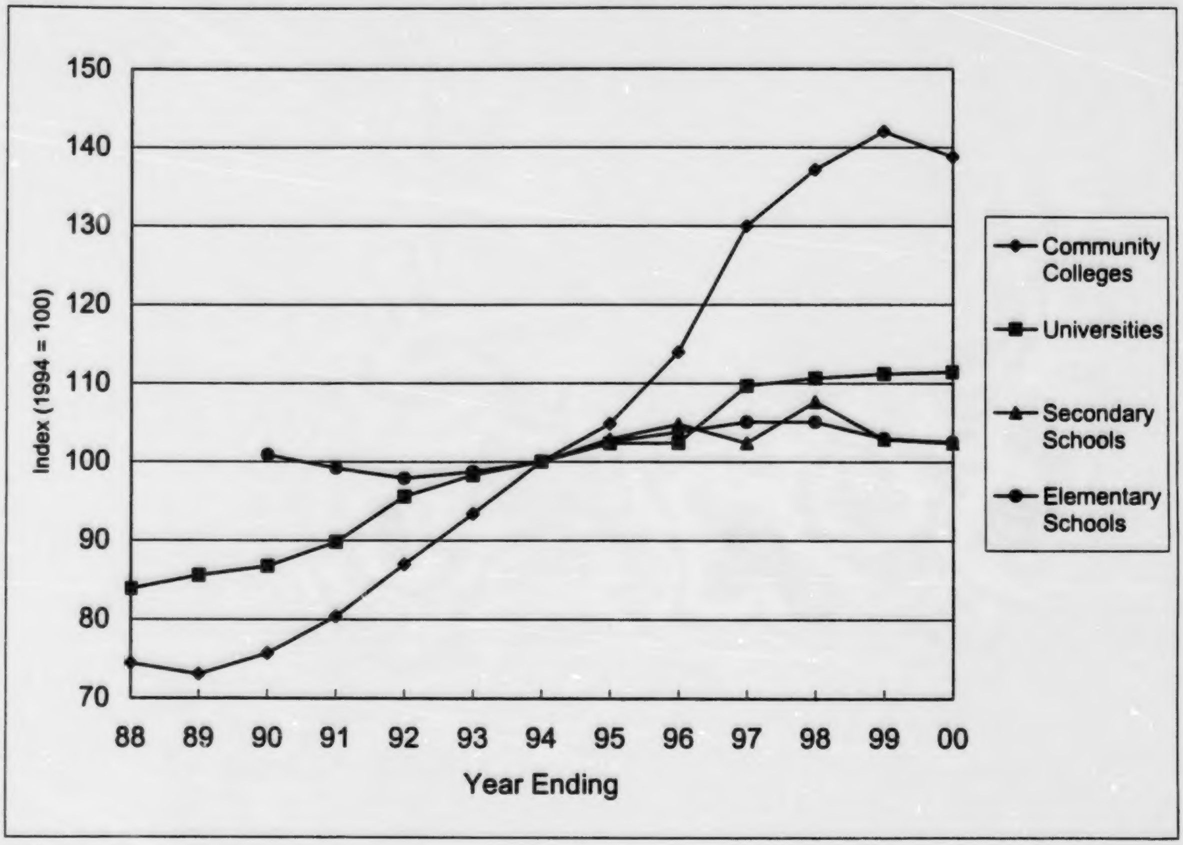


TABLE 8.5

FTE ENROLMENT PER FULL-TIME FACULTY
CANADIAN UNIVERSITIES
PROVINCIAL COMPARISON
1987-88 TO 1998-99

		1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Newfoundland	Ratio	13.0	13.2	13.0	13.4	14.3	14.2	15.2	15.6	15.3	16.3	16.6	16.8
	Rank	(10)	(10)	(10)	(10)	(10)	(10)	(8)	(8)	(8)	(8)	(8)	(8)
P.E.I.	Ratio	16.6	15.7	14.6	15.8	16.9	17.0	14.9	14.0	14.0	12.9	14.5	14.6
	Rank	(3)	(3)	(6)	(4)	(4)	(5)	(9)	(10)	(10)	(10)	(10)	(10)
Nova Scotia	Ratio	13.4	13.5	14.1	14.2	15.6	16.1	16.2	16.5	16.7	17.1	17.4	17.3
	Rank	(9)	(9)	(9)	(9)	(8)	(7)	(6)	(6)	(6)	(7)	(7)	(7)
New Brunswick	Ratio	14.3	14.4	14.7	15.2	16.0	17.4	17.9	18.1	18.1	17.9	17.5	17.5
	Rank	(6)	(6)	(5)	(6)	(5)	(4)	(4)	(4)	(5)	(5)	(6)	(6)
Quebec	Ratio	19.0	19.3	19.3	19.1	19.2	19.2	19.1	18.7	18.4	18.6	19.6	20.2
	Rank	(1)	(1)	(1)	(1)	(1)	(2)	(2)	(3)	(4)	(4)	(4)	(2)
Manitoba	Ratio	14.0	14.2	14.3	14.3	14.9	14.5	14.5	15.5	15.2	16.1	16.5	15.8
	Rank	(7)	(7)	(8)	(8)	(9)	(9)	(10)	(9)	(9)	(9)	(9)	(9)
Saskatchewan	Ratio	15.6	15.5	15.9	16.4	18.0	18.4	18.8	19.1	19.6	19.6	19.8	19.7
	Rank	(5)	(4)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(3)	(2)	(3)
Alberta	Ratio	16.4	15.4	15.8	15.8	16.0	16.7	17.3	17.8	19.0	20.6	19.7	19.5
	Rank	(4)	(5)	(4)	(4)	(5)	(6)	(5)	(5)	(3)	(2)	(3)	(4)
British Columbia	Ratio	13.9	14.2	14.4	14.8	16.0	15.9	16.0	16.2	16.7	17.3	17.9	18.8
	Rank	(8)	(7)	(7)	(7)	(5)	(8)	(7)	(7)	(6)	(6)	(5)	(5)
9 Provinces	Ratio	16.2	16.3	16.4	16.5	17.2	17.4	17.6	17.6	17.7	18.2	18.2	19.0
Ontario	Ratio	16.8	17.1	17.3	17.8	19.0	19.4	19.6	19.9	19.9	21.0	21.1	21.3
	Rank	(2)	(2)	(2)	(2)	(2)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Canada	Ratio	16.4	16.6	16.8	17.0	17.9	18.2	18.3	18.4	18.5	19.2	19.2	19.8

Notes:

Student / faculty ratios are based on a set of 48 "core" universities in Canada; the same 48 universities that are included in Maclean's magazine's annual ranking of Canadian universities.

FTE enrolment = full-time enrolment + (part-time enrolment) / 3.5.

Full-time faculty counts include all teaching ranks, and medical and dental teaching staff. Excluded are part-time teaching staff, senior administrators, staff on leave of absence, visiting professors, and staff not on regular pay scale. A change in in the definition of full-time faculty by Statistics Canada in 1991-92 caused the number of full-time faculty to drop by 350 (2.42%) in Ontario and by 994 (2.66%) in Canada in that year. COU estimates of full-time faculty counts are used to compensate for occasional unreported data by specific universities in specific years in order to provide consistent and comparable student / faculty ratios.

Sources:

Enrolment: Statistics Canada.

Full-time faculty counts: Statistics Canada, Salaries and Salary Scales of Full-Time Teaching Staff at Canadian Universities and Colleges.

FIGURE 8.5

FTE ENROLMENT PER FULL-TIME FACULTY
CANADIAN UNIVERSITIES
PROVINCIAL COMPARISON
1987-88 TO 1998-99

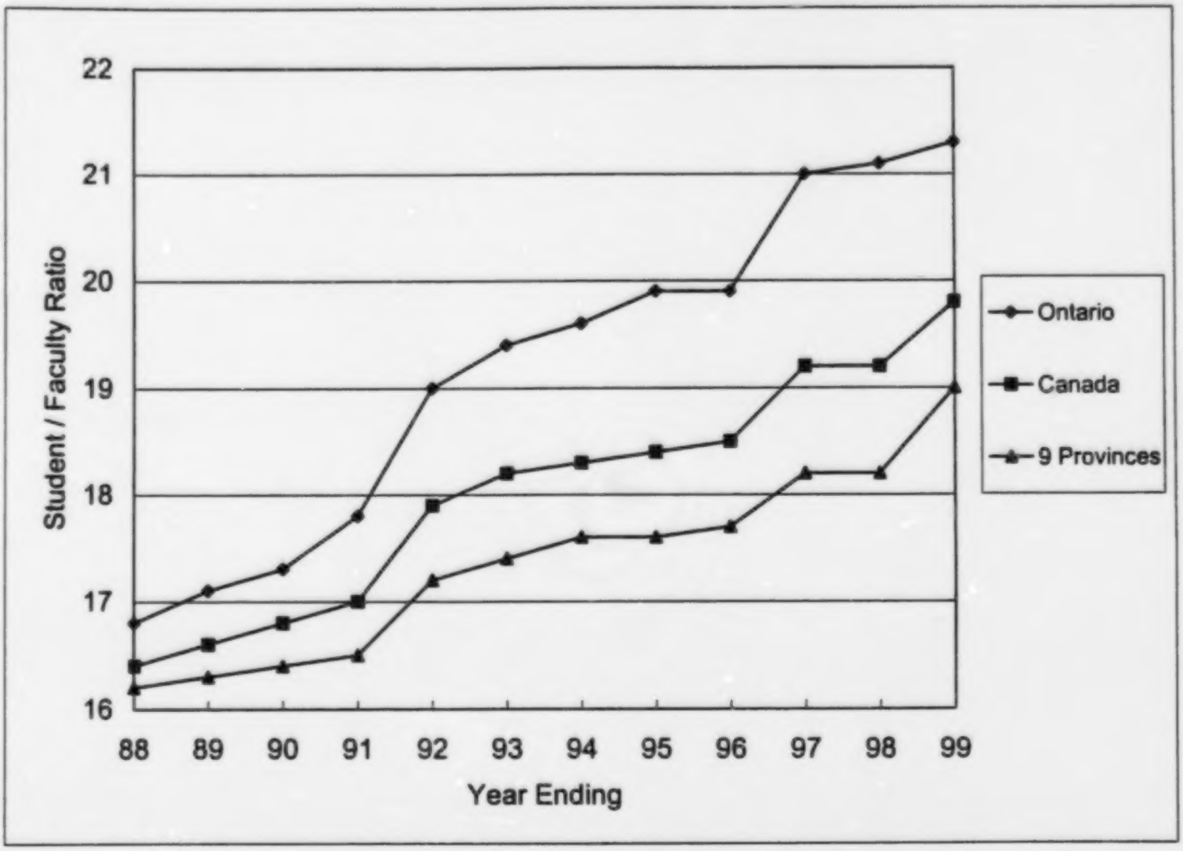


TABLE 8.6

FTE ENROLMENT PER FTE FACULTY
CANADIAN UNIVERSITIES
PROVINCIAL COMPARISON
1987-88 TO 1998-99

		1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Newfoundland	Ratio	11.6	10.6	11.7	12.2	12.6	11.3	11.4	12.2	12.6	12.9	13.8	13.8
	Rank	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(9)	(8)	(8)
P.E.I.	Ratio	14.8	14.8	13.8	14.5	14.9	15.2	13.8	12.9	12.8	12.3	13.2	12.8
	Rank	(4)	(3)	(5)	(4)	(4)	(4)	(9)	(9)	(9)	(10)	(10)	(10)
Nova Scotia	Ratio	12.4	12.7	12.9	13.0	13.5	13.6	13.9	13.6	14.0	14.1	13.8	13.5
	Rank	(9)	(9)	(9)	(9)	(9)	(9)	(8)	(8)	(7)	(8)	(8)	(9)
New Brunswick	Ratio	12.8	13.3	13.5	13.9	14.5	15.6	16.1	15.9	15.8	15.4	15.0	15.4
	Rank	(8)	(8)	(7)	(6)	(5)	(3)	(3)	(3)	(4)	(5)	(6)	(5)
Quebec	Ratio	15.2	15.2	15.1	14.9	15.1	15.1	15.3	15.2	15.1	15.7	15.8	16.5
	Rank	(2)	(2)	(3)	(3)	(3)	(5)	(4)	(5)	(5)	(4)	(4)	(3)
Manitoba	Ratio	13.4	13.5	13.5	13.6	13.9	14.0	14.0	15.1	14.8	15.3	14.2	14.1
	Rank	(6)	(7)	(7)	(7)	(8)	(7)	(7)	(6)	(6)	(6)	(7)	(7)
Saskatchewan	Ratio	15.6	14.2	15.6	16.0	16.6	17.3	17.0	17.3	17.6	18.5	17.7	17.8
	Rank	(1)	(4)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(2)
Alberta	Ratio	14.0	13.7	14.0	14.3	14.4	14.7	15.1	15.5	16.3	17.7	16.0	15.8
	Rank	(5)	(5)	(4)	(5)	(6)	(6)	(5)	(4)	(3)	(2)	(3)	(4)
British Columbia	Ratio	13.2	13.6	13.6	13.6	14.1	14.0	14.3	14.3	13.8	15.2	15.5	15.0
	Rank	(7)	(6)	(6)	(7)	(7)	(7)	(6)	(7)	(8)	(7)	(5)	(6)
9 Provinces	Ratio	14.1	14.1	14.3	14.3	14.6	14.6	14.8	15.0	15.0	15.7	15.5	15.6
Ontario	Ratio	15.0	15.4	15.5	16.0	16.3	16.9	17.0	17.2	17.3	17.5	17.7	18.0
	Rank	(3)	(1)	(2)	(1)	(2)	(2)	(1)	(2)	(2)	(3)	(1)	(1)
Canada	Ratio	14.5	14.6	14.7	14.9	15.2	15.5	15.6	15.8	15.8	16.4	16.3	16.5

Notes:

Student / faculty ratios are based on a set of 48 "core" universities in Canada; the same 48 universities that are included in Maclean's magazine's annual ranking of Canadian universities.

FTE enrolment = full-time enrolment + (part-time enrolment) / 3.5.

FTE faculty cannot be obtained directly due to lack of data on part-time faculty. Rather, FTE faculty are estimated according to the equation: FTE faculty = (total academic ranks salaries + total instruction & research salaries) / (average salary of full-time faculty). Average salaries are based on the set of full-time faculty that includes all teaching ranks, and medical and dental teaching staff. Excluded are part-time teaching staff, senior administrators, staff on leave of absence, visiting professors, and staff not on regular pay scale. COU estimates of average salaries are used to compensate for occasional unreported data by specific universities in specific years in order to provide consistent and comparable student / faculty ratios.

Sources:

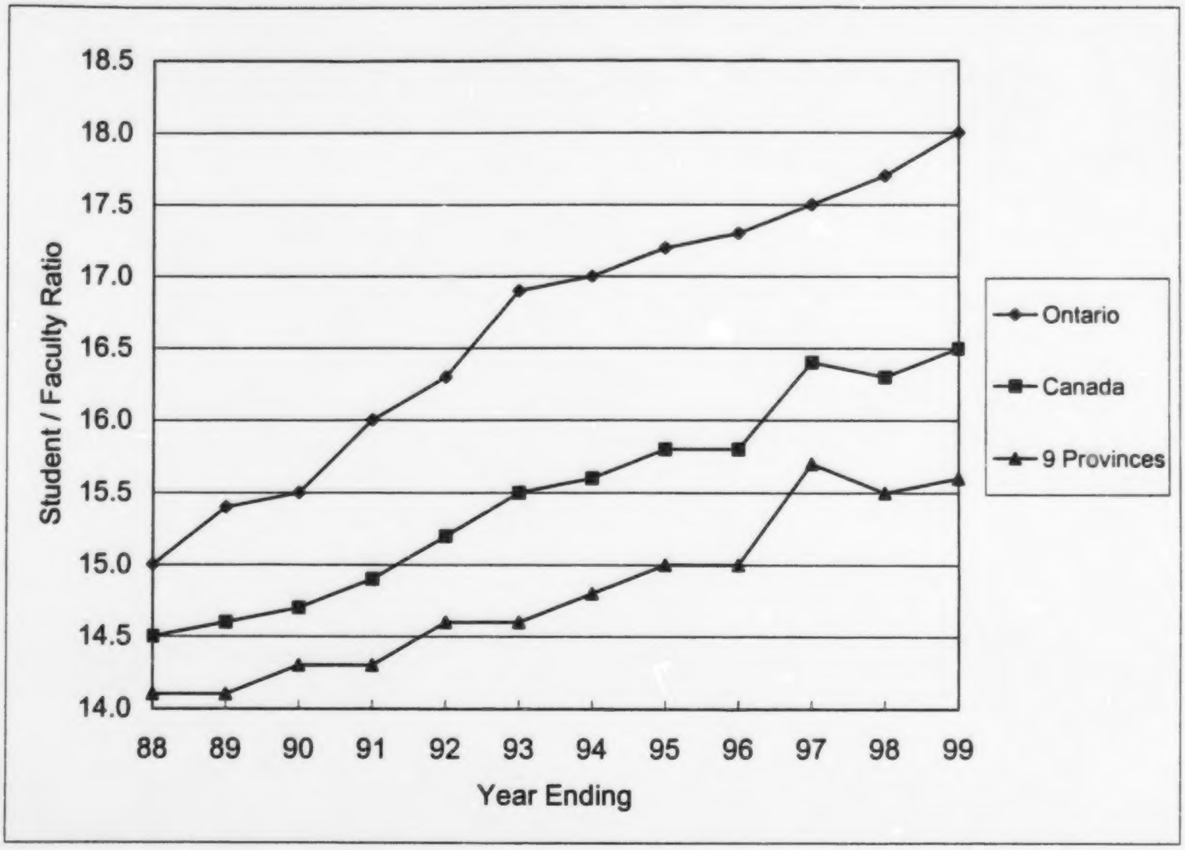
Enrolment: Statistics Canada.

Full-time faculty average salaries: Statistics Canada, Salaries and Salary Scales of Full-Time Teaching Staff at Canadian Universities and Colleges.

Total faculty salaries: Statistics Canada, Canadian Association of University Business Officers, Financial Statistics of Universities and Colleges.

FIGURE 8.6

FTE ENROLMENT PER FTE FACULTY
CANADIAN UNIVERSITIES
PROVINCIAL COMPARISON
1987-88 TO 1998-99



Section 9

Education and Employment

TABLE 9.1

UNEMPLOYMENT RATE
BY EDUCATIONAL ATTAINMENT
ONTARIO AND CANADA
1990 TO 2000

	Educational Attainment	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Canada	0 - 8 years	12.5%	15.3%	15.8%	16.8%	15.7%	15.0%	14.9%	15.1%	13.9%	12.8%	12.6%
	Some high school	12.2%	15.3%	17.3%	17.0%	16.2%	15.0%	15.5%	15.8%	14.5%	13.5%	12.4%
	High school graduate	7.7%	10.3%	10.7%	11.5%	9.9%	9.4%	9.6%	8.7%	8.2%	7.5%	6.6%
	Some post-secondary	8.0%	10.2%	11.1%	11.6%	10.6%	9.9%	10.1%	10.2%	9.4%	8.5%	7.8%
	Post-secondary certificate or diploma	6.4%	8.2%	9.3%	9.6%	8.9%	7.9%	8.1%	7.4%	6.5%	5.9%	5.2%
	University degree	3.8%	5.0%	5.5%	5.9%	5.4%	4.9%	5.2%	4.8%	4.4%	4.3%	3.9%
	Bachelor's degree	4.3%	5.6%	6.1%	6.6%	6.2%	5.5%	5.6%	5.3%	4.6%	4.5%	4.1%
	Graduate degree	2.5%	3.6%	4.1%	4.3%	3.8%	3.8%	4.4%	3.9%	3.8%	3.7%	3.5%
	Total Labour Force	8.1%	10.3%	11.2%	11.4%	10.4%	9.4%	9.6%	9.1%	8.3%	7.6%	6.8%
Ontario	0 - 8 years	8.1%	13.5%	12.8%	13.1%	11.3%	11.6%	11.2%	9.7%	10.2%	7.8%	7.1%
	Some high school	9.8%	14.5%	17.1%	16.4%	15.5%	14.8%	14.8%	15.4%	13.3%	12.6%	10.5%
	High school graduate	6.0%	9.9%	10.3%	12.0%	9.6%	9.4%	9.5%	8.6%	7.5%	6.1%	5.6%
	Some post-secondary	6.4%	9.9%	11.0%	12.0%	10.6%	9.0%	10.2%	10.0%	8.2%	7.7%	7.0%
	Post-secondary certificate or diploma	4.7%	7.1%	9.1%	9.0%	8.5%	6.9%	7.3%	6.6%	5.3%	4.6%	4.3%
	University degree	2.7%	4.6%	5.2%	5.3%	4.8%	4.3%	5.1%	4.5%	4.1%	3.7%	3.9%
	Bachelor's degree	3.0%	5.4%	5.7%	6.2%	5.8%	4.8%	5.4%	5.0%	4.1%	3.9%	4.0%
	Graduate degree	1.9%	3.0%	4.3%	3.7%	3.2%	3.6%	4.4%	3.8%	3.9%	3.4%	3.8%
	Total Labour Force	6.2%	9.5%	10.7%	10.9%	9.6%	8.7%	9.0%	8.4%	7.2%	6.3%	5.7%
9 Provinces	0 - 8 years	14.6%	16.1%	17.2%	18.5%	17.7%	16.5%	16.6%	17.8%	15.6%	15.1%	15.2%
	Some high school	13.8%	15.9%	17.4%	17.4%	16.6%	15.0%	15.9%	16.0%	15.3%	14.1%	13.5%
	High school graduate	8.8%	10.6%	11.0%	11.2%	10.2%	9.4%	9.7%	8.7%	8.7%	8.4%	7.3%
	Some post-secondary	9.1%	10.3%	11.2%	11.4%	10.7%	10.5%	10.1%	10.3%	10.1%	9.0%	8.3%
	Post-secondary certificate or diploma	7.2%	8.7%	9.4%	9.9%	9.1%	8.4%	8.5%	7.8%	7.2%	6.6%	5.8%
	University degree	4.6%	5.3%	5.7%	6.3%	5.9%	5.4%	5.3%	5.0%	4.6%	4.7%	3.8%
	Bachelor's degree	5.3%	5.8%	6.4%	6.8%	6.5%	5.9%	5.7%	5.4%	5.0%	5.0%	4.1%
	Graduate degree	3.1%	4.1%	3.9%	4.9%	4.4%	4.0%	4.5%	3.9%	3.8%	4.0%	3.2%
	Total Labour Force	9.4%	10.8%	11.4%	11.7%	10.8%	9.9%	10.0%	9.5%	9.0%	8.4%	7.5%

Notes: Unemployment rate for a particular group is the number of unemployed persons in the group expressed as a percentage of the labour force of the group. Rate is based on annual average for those age 15+. Educational attainment is highest level of schooling completed.

Source: Statistics Canada, Labour Force Historical Review, 2000, Table 02AN.

FIGURE 9.1

UNEMPLOYMENT RATE
BY EDUCATIONAL ATTAINMENT
ONTARIO AND CANADA
1990 TO 2000

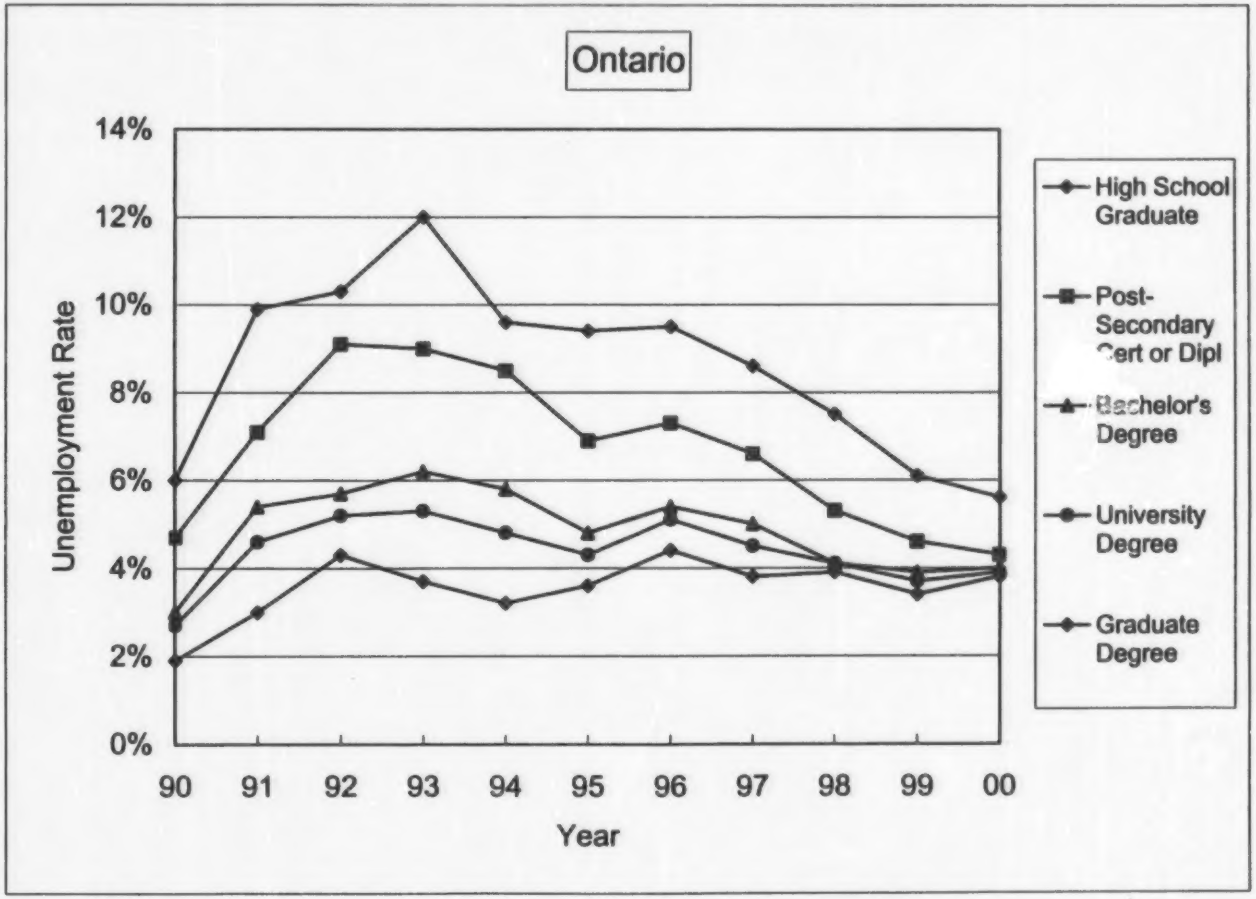


TABLE 9.2

PERCENT OF TOTAL EMPLOYMENT
BY EDUCATIONAL ATTAINMENT
ONTARIO AND CANADA
1990 TO 2000

	Educational Attainment	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Canada	No University Degree	84.5%	83.7%	82.6%	81.3%	80.8%	80.7%	80.7%	80.3%	80.0%	79.7%	79.1%
	0 - 8 years	7.6%	7.0%	6.6%	5.7%	5.8%	5.3%	4.9%	4.6%	4.4%	4.1%	3.7%
	Some high school	16.9%	16.1%	14.9%	14.1%	13.8%	13.2%	12.8%	12.1%	11.9%	11.6%	11.0%
	High school graduate	23.4%	23.4%	23.8%	23.6%	22.2%	21.8%	22.0%	20.9%	20.9%	21.2%	21.7%
	Some post-secondary	9.1%	9.2%	9.1%	8.8%	8.3%	8.5%	8.5%	8.7%	8.5%	8.4%	8.7%
	Post-secondary certificate or diploma	27.4%	27.9%	28.3%	29.1%	30.8%	31.9%	32.5%	34.1%	34.4%	34.4%	33.9%
	University degree	15.5%	16.3%	17.4%	18.7%	19.2%	19.3%	19.3%	19.7%	20.0%	20.3%	21.0%
	Bachelor's degree	10.5%	11.0%	11.7%	12.7%	12.6%	13.0%	12.9%	13.2%	13.7%	13.7%	14.0%
	Graduate degree	5.0%	5.3%	5.6%	6.1%	6.5%	6.3%	6.4%	6.5%	6.3%	6.6%	7.0%
Ontario	No University Degree	82.5%	81.0%	80.3%	78.8%	78.0%	78.2%	78.3%	78.0%	77.9%	77.2%	76.2%
	0 - 8 years	6.4%	5.6%	5.5%	4.8%	5.2%	4.4%	4.2%	4.1%	3.8%	3.5%	3.2%
	Some high school	17.5%	16.7%	15.4%	14.4%	13.3%	12.3%	12.5%	11.4%	11.3%	10.6%	10.1%
	High school graduate	23.8%	23.4%	24.0%	24.0%	22.8%	22.7%	22.9%	21.4%	21.9%	22.3%	22.4%
	Some post-secondary	9.5%	9.5%	9.4%	8.9%	8.7%	9.3%	8.8%	8.9%	8.8%	8.6%	8.9%
	Post-secondary certificate or diploma	25.4%	25.8%	26.0%	26.8%	28.0%	29.4%	29.9%	32.2%	32.1%	32.2%	31.6%
	University degree	17.5%	19.0%	19.7%	21.2%	22.0%	21.8%	21.7%	22.0%	22.1%	22.8%	23.8%
	Bachelor's degree	11.6%	12.4%	12.5%	13.3%	13.8%	14.0%	13.7%	13.9%	14.4%	14.7%	15.5%
	Graduate degree	5.9%	6.6%	7.2%	7.8%	8.2%	7.8%	8.0%	8.0%	7.7%	8.1%	8.3%
9 Provinces	No University Degree	85.7%	85.4%	84.1%	82.8%	82.6%	82.2%	82.2%	81.8%	81.3%	81.3%	80.9%
	0 - 8 years	8.5%	7.9%	7.3%	6.2%	6.2%	5.8%	5.4%	4.9%	4.7%	4.4%	4.1%
	Some high school	16.5%	15.7%	14.6%	13.9%	14.0%	13.8%	13.0%	12.5%	12.2%	12.3%	11.6%
	High school graduate	23.2%	23.4%	23.6%	23.3%	21.8%	21.3%	21.5%	20.5%	20.2%	20.5%	21.2%
	Some post-secondary	8.8%	9.1%	8.9%	8.8%	8.1%	8.0%	8.3%	8.6%	8.4%	8.2%	8.6%
	Post-secondary certificate or diploma	28.7%	29.3%	29.7%	30.5%	32.5%	33.4%	34.1%	35.3%	35.8%	35.8%	35.4%
	University degree	14.3%	14.6%	15.9%	17.2%	17.4%	17.8%	17.8%	18.2%	18.7%	18.7%	19.1%
	Bachelor's degree	9.9%	10.2%	11.2%	12.2%	11.9%	12.4%	12.4%	12.7%	13.2%	13.0%	13.0%
	Graduate degree	4.4%	4.4%	4.7%	5.0%	5.5%	5.4%	5.4%	5.5%	5.5%	5.7%	6.1%

Notes: Employment figures are based on annual average, full-time employment for those age 15+.
Educational Attainment is highest level of schooling completed.

Source: Statistics Canada, Labour Force Historical Review, 2000, Table 02AN.

FIGURE 9.2

PERCENT OF TOTAL EMPLOYMENT
BY EDUCATIONAL ATTAINMENT
ONTARIO AND CANADA
1990 TO 2000

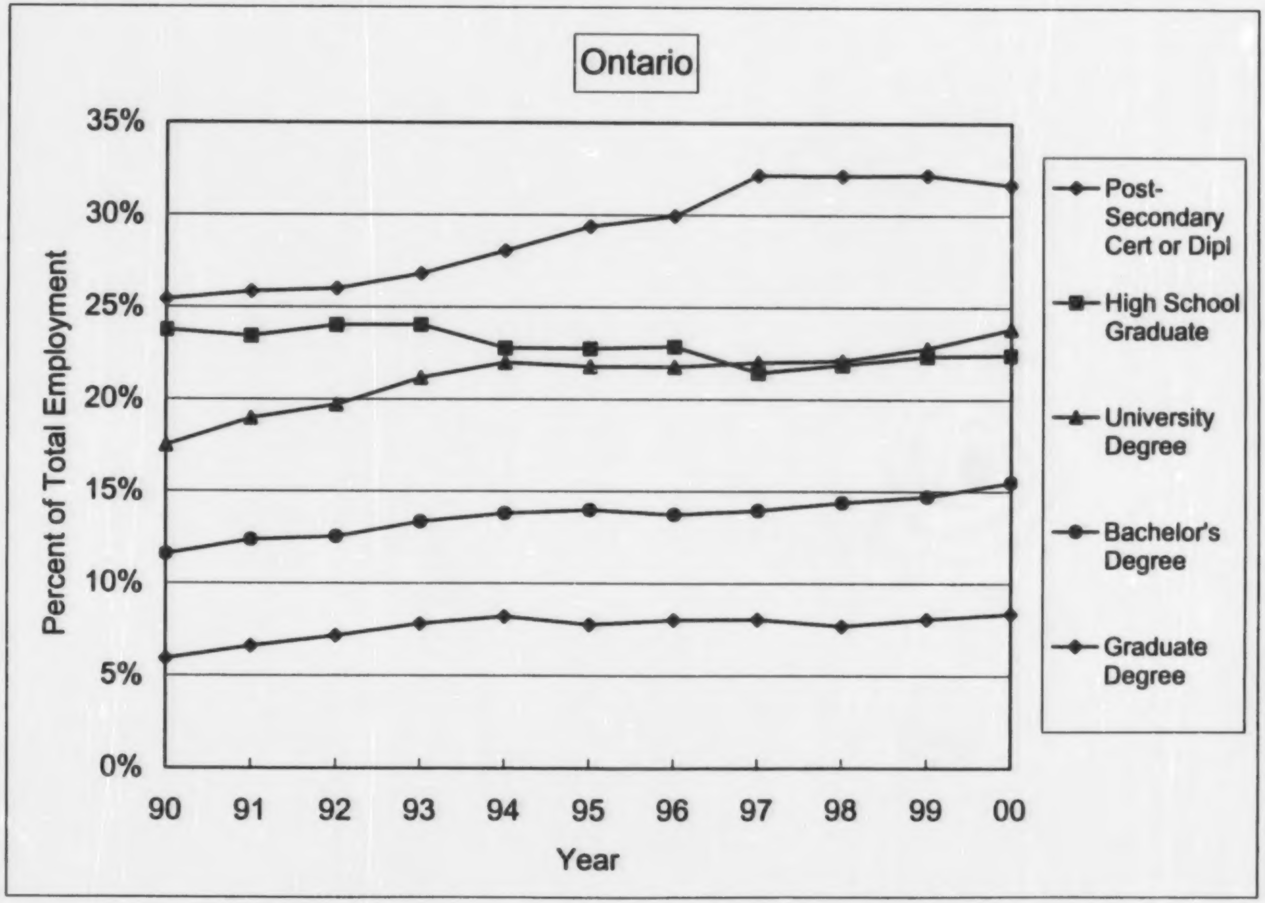


TABLE 9.3

EMPLOYMENT
BY OCCUPATION
ONTARIO
1990 TO 2000

Occupation	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	% Change 1990 to 2000
Employment (000s)												
Management	508	521	508	533	518	564	556	558	561	526	533	4.9%
Business, Finance, Administrative	900	840	824	786	794	807	795	795	821	880	911	1.2%
Natural & Applied Sciences	246	255	241	236	239	262	258	281	311	370	403	63.7%
Health	171	186	176	187	181	185	176	188	184	194	201	17.3%
Social Science, Education, Govt Service, Religion	270	274	296	291	318	284	283	280	293	330	338	24.9%
Art, Culture, Recreation, Sport	96	85	89	99	106	96	103	97	103	116	118	22.5%
Sales & Service	757	711	742	737	746	768	764	794	840	845	875	15.6%
Trades, Transport & Equipment Operators	731	663	625	616	636	652	662	694	718	732	749	2.4%
Primary Industry	129	124	117	121	118	112	113	116	111	122	118	-9.0%
Processing, Manufacturing, Utilities	495	438	409	389	424	434	470	493	525	550	577	16.6%
Total	4,304	4,098	4,027	3,996	4,080	4,165	4,180	4,295	4,466	4,664	4,822	12.0%
Employment (% of Total)												
Management	11.8%	12.7%	12.6%	13.3%	12.7%	13.5%	13.3%	13.0%	12.6%	11.3%	11.1%	
Business, Finance, Administrative	20.9%	20.5%	20.5%	19.7%	19.5%	19.4%	19.0%	18.5%	18.4%	18.9%	18.9%	
Natural & Applied Sciences	5.7%	6.2%	6.0%	5.9%	5.8%	6.3%	6.2%	6.5%	7.0%	7.9%	8.4%	
Health	4.0%	4.5%	4.4%	4.7%	4.4%	4.4%	4.2%	4.4%	4.1%	4.2%	4.2%	
Social Science, Education, Govt Service, Religion	6.3%	6.7%	7.4%	7.3%	7.8%	6.8%	6.8%	6.5%	6.6%	7.1%	7.0%	
Art, Culture, Recreation, Sport	2.2%	2.1%	2.2%	2.5%	2.6%	2.3%	2.5%	2.2%	2.3%	2.5%	2.4%	
Sales & Service	17.6%	17.4%	18.4%	18.4%	18.3%	18.4%	18.3%	18.5%	18.8%	18.1%	18.2%	
Trades, Transport & Equipment Operators	17.0%	16.2%	15.5%	15.4%	15.6%	15.7%	15.8%	16.2%	16.1%	15.7%	15.5%	
Primary Industry	3.0%	3.0%	2.9%	3.0%	2.9%	2.7%	2.7%	2.7%	2.5%	2.6%	2.4%	
Processing, Manufacturing, Utilities	11.5%	10.7%	10.2%	9.7%	10.4%	10.4%	11.2%	11.5%	11.7%	11.8%	12.0%	
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Note: Employment figures are annual average, full-time employment for those age 15+.

Source: Statistics Canada, Labour Force Historical Review, 2000, Table 06AN.

FIGURE 9.3

EMPLOYMENT
BY OCCUPATION
ONTARIO
1990 TO 1999

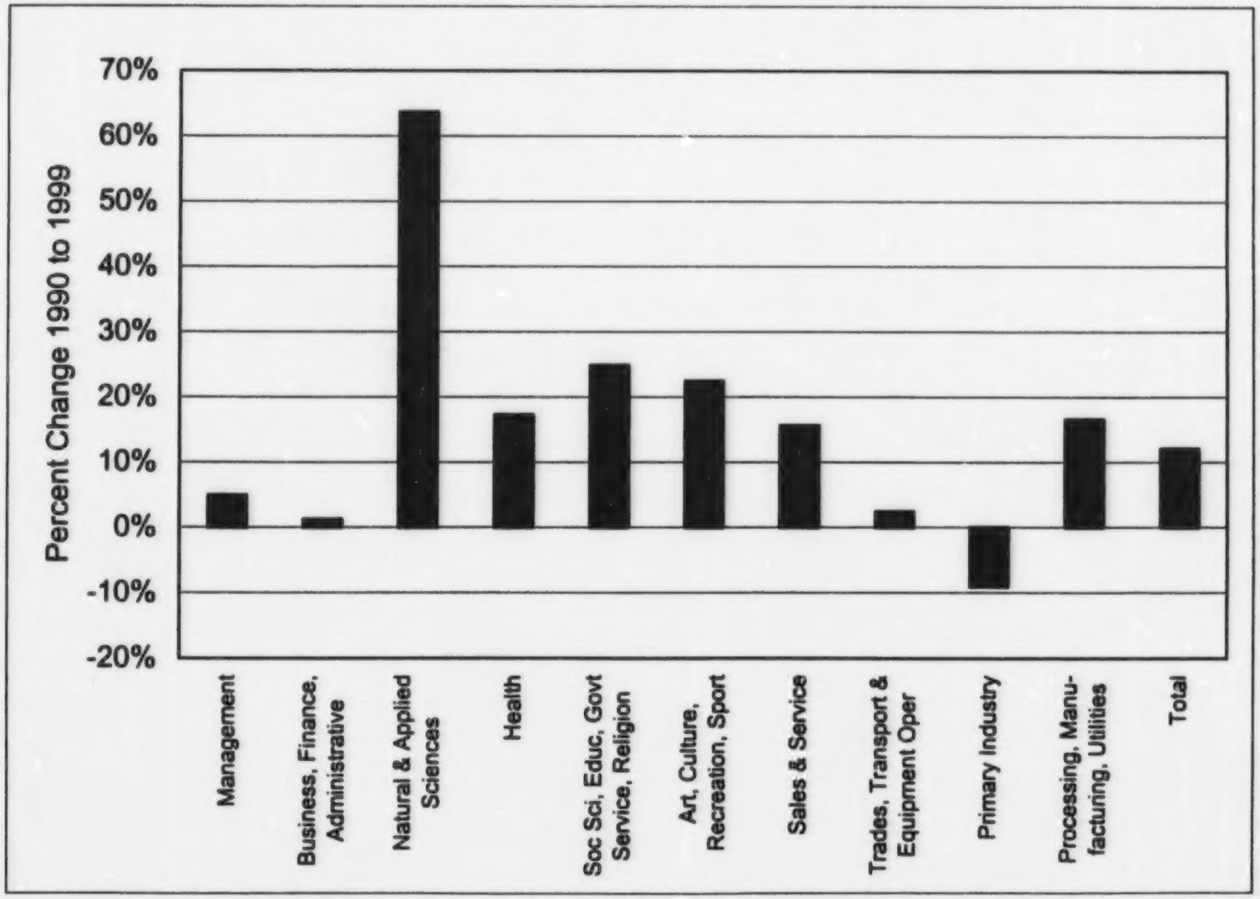


TABLE 9.4

AVERAGE PERSONAL INCOME
BY EDUCATIONAL ATTAINMENT AND AGE
ONTARIO AND CANADA
1995

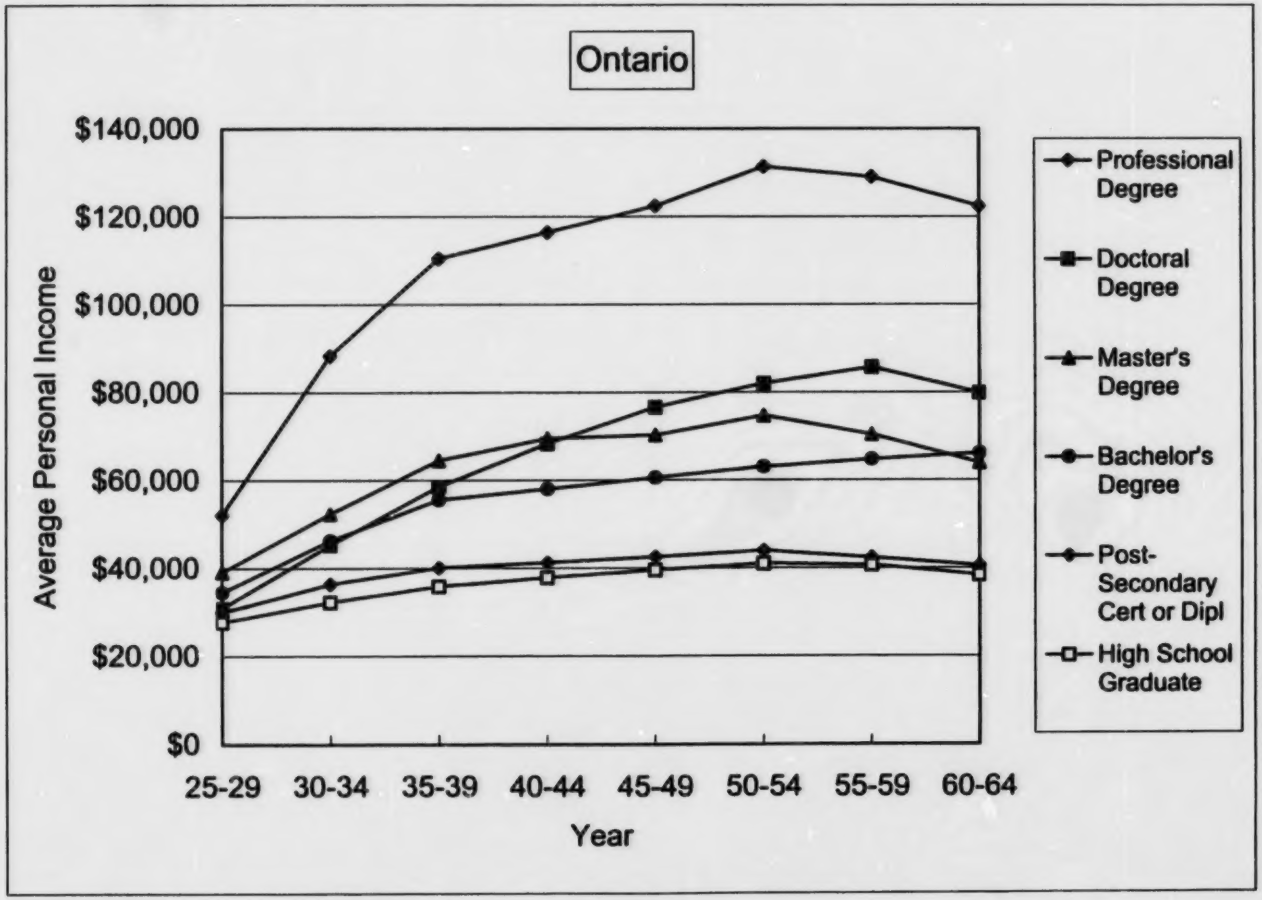
Educational Attainment	Age 15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+	Total
Canada													
No degree, certificate or diploma	$12,766	$18,596	$25,978	$29,995	$32,835	$35,058	$36,177	$36,369	$33,698	$32,570	$28,061	$21,471	$32,371
High school graduate	$12,560	$18,635	$26,509	$30,615	$33,832	$35,650	$37,158	$38,234	$37,888	$37,317	$36,800	$31,041	$32,450
Post-secondary certificate or diploma	$15,972	$20,610	$28,614	$34,182	$37,906	$39,192	$40,185	$41,142	$39,859	$38,561	$35,476	$30,069	$36,206
University bachelor's degree	$42,886	$23,054	$33,243	$43,495	$51,982	$55,095	$56,560	$58,688	$60,266	$61,202	$72,133	$43,972	$48,857
University masters' degree	$36,443	$22,905	$36,524	$49,156	$59,070	$64,406	$65,541	$69,929	$66,565	$60,258	$62,409	$44,893	$60,733
University doctoral degree	$66,806	$15,121	$33,055	$43,511	$55,829	$66,031	$71,450	$79,566	$80,339	$79,097	$71,908	$44,831	$68,378
University professional degree	$12,941	$25,936	$48,762	$81,612	$101,678	$107,810	$114,096	$120,558	$114,334	$114,105	$115,876	$73,997	$99,861
All categories	$13,181	$19,551	$28,769	$34,837	$38,909	$41,164	$42,717	$43,521	$41,018	$39,165	$37,788	$27,598	$37,556
Ontario													
No degree, certificate or diploma	$13,070	$19,793	$27,744	$32,054	$35,215	$37,350	$38,772	$38,910	$36,288	$36,091	$32,431	$22,302	$34,871
High school graduate	$13,061	$19,560	$27,713	$32,254	$35,803	$37,821	$39,556	$40,976	$40,638	$38,366	$40,272	$34,027	$34,308
Post-secondary certificate or diploma	$18,612	$21,912	$29,993	$36,345	$40,059	$41,220	$42,517	$43,895	$42,302	$40,491	$38,609	$28,957	$38,442
University bachelor's degree	$34,977	$23,876	$34,447	$46,240	$55,526	$58,024	$60,547	$62,982	$64,714	$66,125	$70,952	$47,477	$51,722
University masters' degree	$51,791	$26,313	$39,071	$52,325	$64,511	$69,504	$70,199	$74,658	$70,344	$63,920	$73,934	$44,361	$64,936
University doctoral degree	$70,762	$0	$30,897	$45,241	$58,509	$68,339	$76,592	$82,011	$85,694	$79,862	$70,667	$42,333	$71,644
University professional degree	$0	$22,115	$52,061	$88,274	$110,415	$116,392	$122,392	$131,369	$128,987	$122,400	$122,750	$73,650	$108,749
All categories	$13,796	$20,641	$30,217	$37,204	$41,808	$43,955	$45,927	$46,912	$44,224	$42,234	$41,971	$29,222	$40,281
9 Provinces													
No degree, certificate or diploma	$12,635	$18,028	$24,825	$28,657	$31,428	$33,691	$34,542	$34,751	$31,928	$30,067	$25,129	$20,962	$30,809
High school graduate	$12,361	$18,033	$25,560	$29,383	$32,540	$34,256	$35,560	$36,528	$36,042	$36,520	$34,078	$28,618	$31,184
Post-secondary certificate or diploma	$15,063	$19,940	$27,738	$32,706	$36,526	$37,937	$38,668	$39,263	$37,983	$36,940	$32,769	$30,908	$34,744
University bachelor's degree	$48,818	$22,480	$32,309	$41,371	$49,392	$53,067	$53,748	$55,608	$56,748	$57,075	$73,127	$41,339	$46,743
University masters' degree	$31,327	$20,831	$33,991	$46,146	$54,252	$60,182	$61,682	$66,087	$63,555	$57,239	$52,844	$45,325	$57,132
University doctoral degree	$54,938	$15,121	$34,739	$42,281	$54,084	$64,544	$67,676	$77,806	$76,187	$78,492	$72,911	$47,194	$66,044
University professional degree	$12,941	$27,617	$46,917	$76,380	$95,526	$101,847	$107,427	$113,244	$103,765	$107,677	$110,686	$74,368	$93,471
All categories	$12,928	$18,932	$27,745	$33,147	$37,019	$39,385	$40,580	$41,265	$38,715	$36,825	$34,668	$26,486	$35,729

Notes: Educational attainment is highest level of schooling completed. Salary figures are based on full year, full time workers age 15+.
Professional Degrees are medicine, dentistry, veterinary medicine, and optometry. Nine provinces includes northern territories.

Source: 1996 Canada Census. This will be updated with 2001 census data in Resource Document 2001.

FIGURE 9.4

AVERAGE PERSONAL INCOME
BY EDUCATIONAL ATTAINMENT AND AGE
ONTARIO AND CANADA
1995



APPENDIX A

NOTES ON ENROLMENT

The basic approach in this *Resource Document* is to examine the university enterprise from a global perspective. Therefore, all enrolment figures are based on total fall term undergraduate plus graduate enrolment, regardless of whether the students are eligible or ineligible for Ontario government formula-funding.

Ontario-Only Tables

- The source of full-time and part-time enrolment figures is the Ontario Ministry of Training, Colleges and Universities (MTCU).

- **Table 8.4** uses full-time enrolment.

- **Tables 1.2, 3.1, 6.2, 7.1, 8.1 and 8.2** use FTE enrolment, calculated according to the equation:

  FTE enrolment = full-time enrolment + (part-time enrolment / 3.5). [1]

- **Tables 1.2, 3.1, 6.2, 7.1, and 8.2** are based on Ontario's 17 universities, the Ontario College of Art and Design (OCAD), and Dominicain College. OCAD and Dominicain receive government support from the Universities Branch of MTCU.

- **Tables 8.1 and 8.4** are based solely on Ontario's 17 universities. OCAD and Dominicain are excluded because these tables include counts of full-time faculty, and Statistics Canada does not collect such counts for OCAD and Dominicain.

Comparisons with Other Provinces

- The source of full-time and part-time enrolment figures is Statistics Canada.

- **Tables 7.3, 8.5 and 8.6** use FTE enrolment calculated according to equation [1].

- For **Table 7.3**, enrolment figures are standard provincial totals published by Statistics Canada. Statistics Canada's standard provincial total for Ontario is based on the 17 universities, Dominicain College, the Royal Military College, Redeemer College, and the Ontario Bible College and Theological Seminary. OCAD is excluded.

- For **Tables 8.5 and 8.6**, enrolment figures are based on a set of 48 "core" universities in Canada, the same 48 universities that are included in Maclean's magazine's annual ranking of Canadian universities. This set of universities is considered to be appropriate for the calculation and comparison of student/faculty ratios, the focus of these two tables. For Ontario, only the 17 universities are included in the "core" set.

- **Table 2.3** – FTE enrolment figures prior to 1990-91 are taken from the annual reports of the Tripartite (MTCU, COU, OCUA) Committee on Interprovincial Comparisons of University Financing. The original source for the Committee's data was Statistics Canada. The data represents eligible and ineligible fall term enrolment, and FTE enrolment is calculated according to equation [1]. Adjustments have been made to Statistics Canada's standard provincial totals for college-to-university transfer students and for interprovincial transfer students. Interprovincial transfer students are those who are registered in a program at an out-of-province university but are funded by their home province's government. Enrolment figures correspond to the set of universities used for Table 7.3. For the methodology used to calculate FTE enrolment commencing in 1990-91, see Appendix B.

- **Table 3.2** – FTE enrolment is derived the same way as in Table 2.3, with the exception that the adjustment for interprovincial transfer students is not done. Enrolment figures correspond to the set of universities used for Table 7.3. For the methodology used to calculate FTE enrolment commencing in 1990-91, see Appendix C.

Comparisons with American States

- **Table 2.6** – FTE enrolment for Ontario's 17 universities is based on eligible and ineligible fall term enrolment figures obtained from MTCU. OCAD and Dominicain are excluded. In these tables, FTE enrolment is calculated according to the equation:

  FTE enrolment = full-time enrolment + (part-time enrolment / 3.5).

  The source for US enrolment data (fall term, full-time and part-time) is the Integrated Postsecondary Education Data System (IPEDS) published by the National Center for Education Statistics of the U.S. Department of Education. It can be found at http://nces.ed.gov/ipeds/.

APPENDIX B

METHODOLOGY FOR ESTIMATING EACH PROVINCE'S UNIVERSITY OPERATING GRANTS PER FTE STUDENT

1989-90 and Before:	Actual "Net Total Operating Grants" were divided by actual "Net Total Enrolment". These data were sourced from the Tripartite Committee on Interprovincial Comparisons, April 1992, which was the last year of its publication.
1990-91 and After:	Estimates of annual percent change were applied against the last actual figures of 1989-90.

EXAMPLE: ONTARIO

Estimate of Ontario Operating Grants to Universities per FTE Student in 1990-91 (post Tripartite Committee):	$6,772

CALCULATION:

PART 1:	OPERATING GRANTS	(For Tables 2.3, 2.4 and 2.5)	
1989-90 -	Last year Tripartite Committee reported actual Net Total Operating Grants for Ontario:		$1,599,386,000
1989-90 -	Ontario operating grants reported in CAUBO:		$1,724,504,000
1990-91 -	Ontario operating grants reported in CAUBO:		$1,869,822,000
1989-90 to 1990-91	percent change using CAUBO data (*):		8.43%
1990-91 -	Estimated Net Total Operating Grants = $1,599,386,000 * 1.0843		$1,734,160,738
PART 2:	FTE ENROLMENT	(For Table 2.3)	
1989-90 -	Last year Tripartite Committee reported actual Net Total Enrolment for Ontario:		247,053
1989-90 -	Ontario total enrolment reported by Statistics Canada:		237,876
1990-91 -	Ontario total enrolment reported by Statistics Canada:		246,577
1989-90 to 1990-91	percent change using Statistics Canada data:		3.66%
1990-91 -	Estimated Net Total Enrolment = 247,053 * 1.0366		256,090
PART 3:	OPERATING GRANTS PER FTE ENROLMENT	(For Table 2.3)	
1990-91 -	Estimated Net Total Operating Grants		$1,734,160,738
	Divided by Estimated Net Total Enrolment		256,090
	Equals Ontario Operating Grants to Universities per FTE Student		$6,772

(*) 1990-91 to 1997-98: For each of these years the annual percent change was calculated from the operating grants reported in the Financial Reports of the Canadian Association of University Business Officers.
1998-99 to 1999-00: The annual percent change to operating grants for these two years were obtained from the Public Accounts and Expenditure Estimates of Ontario, and, for other provinces, the Association of Universities and Colleges of Canada.

APPENDIX C

METHODOLOGY FOR ESTIMATING EACH PROVINCE'S UNIVERSITY OPERATING EXPENDITURES PER FTE STUDENT

1989-90 and Before:	Actual "Total Operating Expenditures" were divided by actual "Enrolment - Provincial Institutions (excluding interprovincial transfers)". These data were sourced from the Tripartite Committee on Interprovincial Comparisons, April 1992, which was the last year of its publication.
1990-91 and After:	Estimates of annual percent change were applied against the last actual figures of 1989-90.

EXAMPLE: ONTARIO

Estimate of Ontario Total University Operating Expenditures per FTE Student in 1996-97 (post Tripartite Committee):	$9,876

CALCULATION: (For Table 3.2)

PART 1:	OPERATING EXPENDITURES	
1989-90 -	Last year Tripartite Committee reported actual Total Operating Expenditures for Ontario:	$2,131,704,000
1989-90 -	Ontario operating expenditures reported in CAUBO:	$2,254,667,000
1996-97 -	Ontario operating expenditures reported in CAUBO:	$2,710,446,000
1989-90 to 1996-97	percent change using CAUBO data *:	20.21%
1996-97 -	Estimated Total Operating Expenditures = $2,131,704,000 * 1.2021	$2,562,626,135
PART 2:	FTE ENROLMENT	
1989-90 -	Last year Tripartite Committee reported actual Net Total Enrolment for Ontario:	247,084
1989-90 -	Ontario total enrolment reported by Statistics Canada:	237,876
1996-97 -	Ontario total enrolment reported by Statistics Canada:	249,808
1989-90 to 1996-97	percent change using Statistics Canada data:	5.02%
1996-97 -	Estimated Net Total Enrolment 247,084 * 1.0502	259,478
PART 3:	OPERATING EXPENDITURES PER FTE ENROLMENT	
1996-97 -	Estimated Total Operating Expenditures	$2,562,626,135
	Divided by Estimated Net Total Enrolment	259,478
	Equals Ontario Total University Operating Expenditures per FTE student:	$9,876

* 1990-91 to 1996-97: For each of these years the annual percent change was calculated from the operating expenditures reported in the Financial Reports of the Canadian Association of University Business Officers.

APPENDIX D

ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI) AND CANADA CONSUMER PRICE INDEX (CPI)

1980-81 to 1999-00

			Annual Percent Increase	
	OUNSPI	CPI	OUNSPI	CPI
1980-81	100.0	100.0	12.2	11.2
1981-82	113.9	112.1	13.9	12.1
1982-83	125.6	122.7	10.2	9.5
1983-84	131.2	129.0	4.5	5.1
1984-85	139.1	133.9	6.0	3.8
1985-86	145.1	139.4	4.4	4.1
1986-87	149.2	145.3	2.8	4.2
1987-88	154.4	151.5	3.5	4.3
1988-89	158.7	157.9	2.8	4.2
1989-90	162.1	166.2	2.1	5.3
1990-91	164.7	174.7	1.6	5.1
1991-92	166.7	181.7	1.2	4.0
1992-93	175.0	184.7	5.0	1.7
1993-94	179.0	187.1	2.3	1.3
1994-95	193.8	188.3	8.3	0.6
1995-96	205.5	192.1	6.0	2.0
1996-97	203.1	195.5	-1.2	1.8
1997-98	207.8	198.0	2.3	1.3
1998-99	214.3	200.0	3.1	1.0
1999-00	217.7	204.5	1.6	2.2

Notes:

CPI and OUNSPI are relative to base year 1980-81 = 100.0.

The Ontario University Non-Salary Price Index was developed in 1978 to provide "a more sensitive tool to assist in measuring the likely impact of inflation on non-salary expenditure, and a more accurate measure of the extent of inflationary erosion between any two years. (*) "

(*) - Council of Ontario Universities, "Ontario University Non-Salary Price Index," February 1978.

APPENDIX E

ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI)
BY COMPONENT
1980-81 TO 1999-00

Component	1980 -81	1981 -82	1982 -83	1983 -84	1984 -85	1985 -86	1986 -87	1987 -88	1988 -89	1989 -90	1990 -91	1991 -92	1992 -93	1993 -94	1994 -95	1995 -96	1996 -97	1997 -98	1998 -99	1999 -00
Books	100.0	110.7	129.6	133.8	137.2	149.8	153.0	162.9	162.5	165.3	168.5	176.0	192.5	160.1	212.4	221.4	235.6	243.9	249.9	240.5
Periodicals	100.0	116.1	136.5	153.6	179.3	202.7	218.6	228.6	231.6	247.8	266.7	296.5	356.9	403.0	459.2	500.4	556.5	630.3	773.4	855.6
Equipment	100.0	115.3	123.6	127.2	138.8	146.9	147.8	143.0	136.7	138.3	139.5	140.6	151.2	162.9	171.1	170.6	170.5	174.7	185.8	185.2
Computer Equipment	100.0	114.9	118.7	118.5	121.6	124.2	126.6	126.7	130.1	132.9	128.5	126.3	127.6	129.7	130.3	129.0	130.4	128.0	127.8	124.2
Furniture	100.0	112.3	120.3	125.7	134.1	142.1	148.8	153.4	159.8	165.3	170.7	172.6	176.3	178.6	182.2	189.9	190.3	191.4	192.6	196.7
Stationery and Paper	100.0	109.0	108.4	109.3	121.0	120.4	128.7	141.5	152.0	154.2	149.0	132.1	132.3	131.8	160.0	201.9	167.6	170.3	171.3	175.1
Printing Materials	100.0	110.3	113.2	116.2	124.0	124.2	131.6	138.5	153.3	152.9	150.5	138.5	137.6	139.5	161.6	202.4	163.7	171.0	174.8	179.6
Tools and Apparatus	100.0	111.6	120.9	126.1	133.5	140.2	145.1	150.5	159.5	165.3	169.8	173.7	176.5	181.7	186.6	193.9	198.3	202.0	211.3	217.4
Chemicals	100.0	112.7	118.3	122.2	125.6	128.2	128.3	136.1	148.0	144.3	146.2	143.1	143.9	148.0	162.7	167.7	168.6	167.3	162.5	171.0
Postage	100.0	124.2	175.0	183.9	183.9	203.7	208.8	224.9	233.3	238.1	249.1	268.4	285.4	292.7	296.6	306.2	311.0	312.7	318.7	331.7
Long Distance	100.0	111.5	128.4	135.3	137.1	138.6	137.7	137.5	133.7	131.8	131.2	133.4	134.6	136.1	136.1	139.0	145.7	152.3	150.3	148.1
Computer Software	-	-	-	-	-	-	-	-	-	-	128.5	126.3	127.6	129.7	130.3	129.0	130.4	128.0	127.8	124.2
Electricity	100.0	109.8	120.5	130.5	141.1	150.2	157.2	165.9	174.9	185.0	199.4	218.5	241.4	253.1	252.2	249.6	247.9	247.7	247.7	247.7
Gas	100.0	126.5	154.3	162.0	164.3	164.3	163.3	160.2	156.2	147.3	145.9	159.1	163.1	176.0	180.0	169.4	174.1	183.0	201.4	219.0
Oil	100.0	124.6	133.8	152.2	170.3	161.5	100.7	113.5	96.3	108.9	114.4	95.8	105.6	96.9	117.7	124.3	138.2	126.8	103.8	159.7
Telephone	100.0	111.5	128.4	135.3	137.1	138.6	137.7	137.5	133.7	131.8	131.2	133.4	134.6	136.1	136.1	139.0	145.7	152.3	150.3	148.1
Water	100.0	112.4	125.5	134.0	142.8	152.1	156.8	160.2	171.8	185.6	202.4	218.4	234.3	246.1	254.6	265.5	273.4	278.6	284.0	289.0
Renovations	100.0	109.7	115.0	120.2	124.2	129.6	136.1	142.7	150.5	155.6	159.4	156.3	155.5	158.2	163.4	168.4	170.6	174.7	177.9	180.7
Transportation	100.0	118.1	130.7	136.7	142.1	149.2	152.1	158.7	161.7	171.8	180.0	181.0	186.9	192.7	202.6	211.8	220.6	223.6	222.8	234.4
Shelter	100.0	112.5	124.8	131.9	136.9	141.7	146.3	153.2	160.7	170.4	179.5	186.0	189.1	191.1	192.1	193.8	194.2	194.3	195.8	199.4
Food Away from Home	100.0	109.9	120.4	125.8	130.9	136.5	143.2	148.4	156.1	164.0	176.0	189.1	192.3	194.6	197.4	201.4	204.5	208.3	212.2	216.6
Insurance	100.0	120.0	130.1	137.3	141.2	148.8	164.5	185.8	201.9	215.7	211.6	211.9	214.3	225.7	228.6	230.2	230.4	236.4	240.7	246.9
Space Rental	100.0	112.5	124.8	131.9	136.9	141.7	146.3	153.2	160.7	170.4	179.5	185.7	188.7	190.6	192.1	193.8	194.2	194.3	195.8	199.4

Note:
Printing Materials was discontinued as a category in 1997. It has been increased by CPI for subsequent years.

APPENDIX F

ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI)
ANNUAL PERCENTAGE INCREASES BY COMPONENT
1980-81 TO 1998-99

Component	1980 -81	1981 -82	1982 -83	1983 -84	1984 -85	1985 -86	1986 -87	1987 -88	1988 -89	1989 -90	1990 -91	1991 -92	1992 -93	1993 -94	1994 -95	1995 -96	1996 -97	1997 -98	1998 -99	1999 -00
Books	3.5	10.7	17.1	3.2	2.5	9.2	2.1	6.5	-0.2	1.7	2.0	4.4	9.4	-16.9	32.7	4.2	6.4	3.5	2.5	-3.8
Periodicals	14.5	16.1	17.6	12.5	16.7	13.0	7.9	4.6	1.3	7.0	7.6	11.2	20.4	12.9	13.9	9.0	11.2	13.3	22.7	10.6
Equipment	12.5	15.3	7.3	2.9	9.1	5.8	0.6	-3.2	-4.4	1.2	0.8	0.8	7.5	7.7	5.0	-0.3	-0.1	2.5	6.4	-0.3
Computer Equipment	19.8	14.9	3.4	-0.2	2.6	2.2	1.9	0.0	2.7	2.2	-3.4	-1.7	1.0	1.6	0.5	-1.0	1.1	-1.8	-0.2	-2.8
Furniture	10.4	12.3	7.1	4.5	6.7	6.0	4.7	3.1	4.1	3.5	3.2	1.2	2.1	1.3	2.0	4.2	0.2	0.6	0.6	2.1
Stationery and Paper	14.1	9.0	-0.6	0.9	10.7	-0.5	6.9	9.9	7.5	1.4	-3.4	-11.3	0.1	-0.4	21.3	26.2	-17.0	1.6	0.6	2.2
Printing Materials	10.0	10.3	2.6	2.7	6.7	0.1	6.0	5.2	10.7	-0.3	-1.6	-8.0	-0.6	1.4	15.8	25.3	-19.1	4.5	2.2	2.7
Tools and Apparatus	14.3	11.6	8.3	4.3	5.9	5.1	3.5	3.7	6.0	3.7	2.7	2.3	1.6	3.0	2.7	3.9	2.3	1.8	4.6	2.9
Chemicals	15.0	12.7	5.0	3.3	2.7	2.1	0.1	6.1	8.7	-2.5	1.3	-2.1	0.6	2.8	9.9	3.1	0.6	-0.8	-2.8	5.2
Postage	0.2	24.2	40.9	5.1	0.0	10.7	2.5	7.7	3.7	2.0	4.6	7.7	6.3	2.6	1.3	3.2	1.6	0.6	1.9	4.1
Long Distance	4.5	11.5	15.1	5.4	1.4	1.1	-0.6	-0.2	-2.7	-1.4	-0.5	1.7	0.9	1.1	0.0	2.1	4.8	4.6	-1.4	-1.5
Computer Software	-	-	-	-	-	-	-	-	-	-	-3.4	-1.7	1.0	1.6	0.5	-1.0	1.1	-1.8	-0.2	-2.8
Electricity	11.7	9.8	9.7	8.3	8.1	6.5	4.6	5.5	5.4	5.8	7.8	9.6	10.5	4.8	-0.4	-1.0	-0.7	-0.1	0.0	0.0
Gas	17.9	26.5	22.0	5.0	1.4	0.0	-0.6	-1.9	-2.5	-5.7	-1.0	9.1	2.5	7.9	2.3	-5.9	2.8	5.1	10.0	8.7
Oil	22.4	24.6	7.4	13.7	11.9	-5.2	-37.6	12.7	-15.2	13.2	5.0	-16.3	10.3	-8.3	21.5	5.6	11.2	-8.3	-18.1	53.9
Telephone	4.5	11.5	15.1	5.4	1.4	1.1	-0.6	-0.2	-2.7	-1.4	-0.5	1.7	0.9	1.1	0.0	2.1	4.8	4.6	-1.4	-1.5
Water	8.3	12.4	11.7	6.7	6.5	6.5	3.1	2.2	7.2	8.1	9.1	7.9	7.3	5.0	3.4	4.3	3.0	1.9	2.0	1.7
Renovations	9.4	9.7	4.8	4.6	3.3	4.4	5.0	4.8	5.5	3.4	2.4	-2.0	-0.5	1.7	3.3	3.1	0.1	2.1	1.8	1.6
Transportation	14.4	18.1	10.7	4.7	3.9	5.0	2.0	4.4	1.9	6.3	4.8	0.6	3.2	3.1	5.2	4.5	4.2	1.4	-0.4	5.2
Shelter	7.6	12.5	11.0	5.7	3.8	3.5	3.3	4.7	4.9	6.0	5.4	3.6	1.7	1.0	0.5	0.9	0.2	0.0	0.8	1.8
Food Away from Home	8.5	9.9	9.6	4.5	4.0	4.3	4.9	3.6	5.2	5.1	7.3	7.5	1.7	1.2	1.4	2.0	1.5	1.9	1.9	2.0
Insurance	8.9	20.0	8.4	5.6	2.8	5.4	10.5	13.0	8.7	6.8	-1.9	0.1	1.1	5.3	1.3	0.7	0.1	2.6	1.8	2.6
Space Rental	7.6	12.5	11.0	5.7	3.8	3.5	3.3	4.7	4.9	6.0	5.4	3.4	1.6	1.0	0.8	0.9	0.2	0.0	0.8	1.8

APPENDIX G

ONTARIO UNIVERSITY NON-SALARY PRICE INDEX (OUNSPI)
COMPONENT WEIGHTS AND SOURCES

	Index Weights (%)		
Component	1984	1993	Source
Books	7	7	Bowker (U.S.) Hardcover Book Price Index, converted for Canadian dollar fluctuations.
Periodicals	7	7	Bowker (U.S.) Periodical Price Index, converted for Canadian dollar fluctuations.
Equipment	10	10	Bureau of Labor Statistics (U.S.) Producer Price Index. Price Index for machinery and equipment, converted for Canadian dollar fluctuations.
Computer Equipment	10	10	Statistics Canada Industrial Product Price Index - Electronic Computing and Peripheral Equipment Industries.
Furniture	2	1	Statistics Canada Industrial Product Price Index - Office Furniture Industries.
Stationery and Paper	8	11	Statistics Canada Industrial Product Price Index - Paper and Allied Products Industries.
Printing Materials	7	7	Statistics Canada Industrial Product Price Index - Printing & Specialized Paper, Woodfree.
Tools and Apparatus	8	5	Statistics Canada Industrial Product Price Index - Hardware, Tool and Cutlery Industries.
Chemicals	4	4	Statistics Canada Industrial Product Price Index - Chemicals and Chemical Products Industries.
Postage	3	4	Statistics Canada Consumer Price Index - Postal and Other Communication Services.
Long Distance	2	2	Statistics Canada Consumer Price Index - Communications.
Computer Software	0	3	Statistics Canada Industrial Product Price Index - Electronic Computing and Peripheral Equipment Industries.
Electricity	9	12	Statistics Canada Industrial Product Price Index - Electric Power Selling Price Index (Non-Residential) - Ontario.
Gas	7	3	Statistics Canada Consumer Price Index - Natural Gas.
Oil	1	0	Statistics Canada Industrial Product Price Index - Heavy Fuel Oil.
Telephone	4	3	Statistics Canada Consumer Price Index - Communications.
Water	1	1	Statistics Canada Consumer Price Index - Water.
Renovations	3	2	Statistics Canada Construction Price Statistics - Historical Non-Residential Price Indicators.
Transportation	3	4	Statistics Canada Consumer Price Index - Transportation.
Shelter	1	1	Statistics Canada Consumer Price Index - Shelter.
Food Away from Home	1	1	Statistics Canada Consumer Price Index - Food Purchased from Restaurants.
Insurance	1	1	Statistics Canada Consumer Price Index - Homeowners' Insurance Premiums.
Space Rental	1	1	Statistics Canada Consumer Price Index - Shelter.
	—	—	
Total	100	100	

APPENDIX H

DETAILS OF PROVINCIAL OPERATING GRANTS
ONTARIO UNIVERSITIES
1998-99 TO 2000-01

	Envelope	Notes	1998-99	1999-00	2000-01	Change from 1998-99 to 1999-00		Change from 1999-00 to 2000-01	
						$	%	$	%
1	Basic Operating Grant		$1,411,490,000	$1,461,466,200	1,465,247,471	$49,976,200	3.5%	$3,781,271	0.3%
2	Pay Equity	1.	$18,961,300	$0	$0	-$18,961,300	-100.0%	$0	
3	Accessibility Fund		$0	$0	$16,500,000	$0		$16,500,000	
4	Performance Fund		$0	$0	$16,500,000	$0		$16,500,000	
5	Research Overhead/Infrastructure		$27,477,000	$27,751,770	$27,751,770	$274,770	1.0%	$0	0.0%
6	Enhanced Access for Disabled		$5,752,000	$5,752,000	$5,752,000	$0	0.0%	$0	0.0%
7	Mission Related		$39,388,401	$39,782,285	$39,782,285	$393,884	1.0%	$0	0.0%
a	Bilingualism		$28,028,030	$28,308,310	$28,308,310	$280,280	1.0%	$0	0.0%
b	Differentiation		$1,876,000	$1,894,760	$1,894,760	$18,760	1.0%	$0	0.0%
c	Northern Ontario		$9,484,371	$9,579,215	$9,579,215	$94,844	1.0%	$0	0.0%
8	Fair Funding for Universities		$10,000,000	$20,000,000	$28,999,999	$10,000,000	100.0%	$8,999,999	45.0%
9	Institution Specific Grants		$34,260,108	$13,501,298	$15,850,057	-$20,758,810	-60.6%	$2,348,759	17.4%
a	Algoma Extraordinary Grant		$540,000	$545,400	$545,400	$5,400	1.0%	$0	0.0%
b	Guelph Ontario Veterinary College		$0	$0	$4,000,000	$0		$4,000,000	
c	Guelph Pension Supplement		$642,000	$900,000	$643,000	$258,000	40.2%	-$257,000	-28.6%
d	Hears Extraordinary Grant		$0	$0	$400,000	$0		$400,000	
e	McMaster Occupational/Physiotherapy		$500,000	$500,000	$0	$0	0.0%	-$500,000	-100.0%
f	Ottawa Medical School - Francophone		$411,704	$424,000	$424,000	$12,296	3.0%	$0	0.0%
g	Ottawa Teachers of Deaf Pupils - Francophone		$350,000	$350,000	$350,000	$0	0.0%	$0	0.0%
h	Ryerson Pension Supplement		$3,551,427	$0	$0	-$3,551,427	-100.0%	$0	
i	Ryerson University Status	2.	$16,900,000	$0	$0	-$16,900,000	-100.0%	$0	
j	Toronto Medical School Health Research Grant		$6,760,556	$5,760,556	$4,760,556	-$1,000,000	-14.8%	-$1,000,000	-17.4%
k	Toronto OISE/UT Base Grant		$785,600	$785,600	$1,327,168	$0	0.0%	$541,568	68.9%
l	Toronto OISE/UT French Language Initiatives		$169,090	$169,090	$338,180	$0	0.0%	$169,090	100.0%
m	Toronto OISE/UT New Transfer Grant		$549,500	$471,000	$706,500	-$78,500	-14.3%	$235,500	50.0%
n	Toronto OISE/UT Transitional Fund		$2,010,327	$2,010,327	$0	$0	0.0%	-$2,010,327	-100.0%
o	Toronto OISE/UT Utilities Adjustment		-$115,000	-$115,000	$0	$0	0.0%	$115,000	-100.0%
p	Waterloo Optometry (Administration Fee)		$19,000	$21,000	$19,000	$2,000	10.5%	-$2,000	-9.5%
q	York Deaf Education Centre		$729,325	$729,325	$729,325	$0	0.0%	$0	0.0%
r	York/Trent Programming at Durham College		$456,579	$950,000	$1,606,928	$493,421	108.1%	$656,928	69.2%
10	Special Purpose Grants		$11,809,853	$12,211,438	$19,033,219	$401,585	3.4%	$6,821,781	55.9%
a	Aboriginal Education & Training Program		$2,585,550	$2,848,000	$2,651,832	$262,450	10.2%	-$196,168	-6.9%
b	Canadian Hearing Society		$49,916	$71,180	$60,453	$21,264	42.6%	-$10,727	-15.1%
c	Canadian Institute for Advanced Research		$1,250,000	$1,250,000	$1,500,000	$0	0.0%	$250,000	20.0%
d	Contact North Supplement		$266,375	$266,375	$266,375	$0	0.0%	$0	0.0%
e	Educ-Action		$127,500	$127,500	$127,000	$0	0.0%	-$500	-0.4%

	f	Fields Institute (McMaster, Toronto, Waterloo)		$1,000,000	$1,000,000	$1,000,000	$0	0.0%	$0	0.0%
	g	French as a Minority Language Programs		$926,000	$926,000	$926,000	$0	0.0%	$0	0.0%
	h	Graduate Survey		$300,000	$600,000	$195,954	$300,000	100.0%	-$404,046	-67.3%
	i	Interpreters Fund		$412,410	$725,000	$586,342	$312,590	75.8%	-$138,658	-19.1%
	j	Midwifery (McMaster Consortium)		$1,313,778	$1,313,778	$1,313,778	$0	0.0%	$0	0.0%
	k	Ontario/Four Motors (Ottawa, Queen's)		$245,000	$250,000	$0	$5,000	2.0%	-$250,000	-100.0%
	l	Ontario/Quebec Academic Exchange		$106,102	$140,250	$110,923	$34,148	32.2%	-$29,327	-20.9%
	m	Ontario/Quebec Health Study Program		$328,493	$450,000	$190,970	$121,507	37.0%	-$259,030	-57.6%
	n	College Alfred/Guelph Agreement		$0	$0	$500,000			$500,000	
	o	Teacher Education Expansion		$0	$0	$3,749,998			$3,749,998	
	p	Council of Ministers of Education of Canada		$30,000	$0	$0	-$30,000	-100.0%	$0	
	q	Transcription Services for Print-Disabled		$330,000	$400,000	$525,000	$70,000	21.2%	$125,000	31.3%
	r	University Student Residence Program		$1,831,616	$1,108,355	$3,298,190	-$723,261	-39.5%	$2,189,835	197.6%
	s	Womens Campus Safety		$699,999	$700,000	$699,999	$1	0.0%	-$1	0.0%
	t	Work Place Safety & Insurance Board Claims		$7,114	$20,000	$9,153	$12,886	181.1%	-$10,847	-54.2%
	u	Workers Insurance Premium Coverage		$0	$15,000	$25,500	$15,000		$10,500	70.0%
	v	Medical School Expansion		$0	$0	$975,752	$0		$975,752	
	w	Advanced Training Program (CUCC)		$0	$0	$175,000	$0		$175,000	
	x	OPAS		$0	$0	$125,000	$0		$125,000	
	y	ICSEI Conference (York)		$0	$0	$5,000	$0		$5,000	
	z	CMEC (Postsecondary Expectations Project)		$0	$0	$15,000	$0		$15,000	
11		Ministry Initiatives & Contingency		$235,338	$2,786,009	$0	$2,550,671	1083.8%	-$2,786,009	-100.0%
12		Ontario Graduate Scholarships in Science & Tech		$2,840,000	$6,080,000	$6,080,000	$3,240,000	114.1%	$0	0.0%
	a	Base Funding		$2,840,000	$5,000,000	$5,000,000	$2,160,000	76.1%	$0	0.0%
	b	Carry Forward		$0	$1,080,000	$1,080,000	$1,080,000		$0	0.0%
13		Access to Opportunities Program (ATOP)		$34,300,000	$45,500,000	$84,638,201	$11,200,000	32.7%	$39,138,201	86.0%
	a	Start-Up Funding		$30,400,000	$23,100,000	$49,200,000	-$7,300,000	-24.0%	$26,100,000	113.0%
	b	On-Going Funding		$3,900,000	$22,400,000	$36,200,000	$18,500,000	474.4%	$13,800,000	61.6%
14		Budget Initiatives		$0	$5,750,000	$0	$5,750,000		-$5,750,000	-100.0%
	a	Guelph Ontario Veterinary College	3.	$0	$2,000,000	$0	$2,000,000		-$2,000,000	-100.0%
	b	Teacher Education Programs	4.	$0	$3,750,000	$0	$3,750,000		-$3,750,000	-100.0%
		Total		$1,596,514,000	$1,640,581,000	$1,726,135,002	$44,067,000	2.8%	$85,554,002	5.2%
		Total excluding ATOP Start-Up Funding		$1,566,114,000	$1,617,481,000	$1,676,935,002	$51,367,000	3.3%	$59,454,002	3.7%

Notes:

1. Decreased by $2.0M and rolled into Basic Operating Grant in 1999-00.
2. Rolled into Basic Operating Grant in 1999-00.
3 Increased by $2.0M and moved to Institution Specific Grants in 2000-01.
4 Rolled into Basic Operating Grant in 2000-01.